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U. S. Department of Agriculture



Victorious Strain
All-Double Petunia
See page 19

1950 Catalog

*A. H. Hummert
Seed Co.*

2746-48 Chouteau Ave.

Phone GRand 0646

St. Louis 3, Mo.

A. H. HUMMERT SEED CO.

Catalog for 1950

PLEASE NOTE

USE OUR ORDER SHEET. It will be of great help to us in filling your order correctly and speedily, if you will use the Order Sheet sent you with the catalog. **Please Keep a Copy of Your Order.**

NO C.O.D. SHIPMENTS. Absolutely no plants or perishable goods will be sent C.O.D. We advise against C.O.D. orders because of delays and excessively high collection charges. Send remittance with your order. If overpaid, we will refund the difference.

POSTAGE for parcel post shipment. The prices in this catalog except on **flower seeds** are not prepaid. Include sufficient to cover postage with cash orders. Large packages or shipments of considerable weight travel more cheaply by express.

Routing. Please give explicit shipping directions with each order, giving name of freight, express and post office stations. If no directions are given, we will use our best judgment, but all goods travel at purchaser's risk.

IMPOSSIBLE TO GUARANTEE CROPS

Warranty. Although we try our best to please we cannot warrant in any way, expressed or implied, the contents or description, purity, productiveness or any matter of any seeds, bulbs or plants and we will not in any way be responsible for the crop. If the purchaser does not accept these goods on the above terms no sale is made thereof and goods must be returned at once.

Again we say for the business you have sent us we are grateful, and trust we may continue to serve you carefully and promptly.

A. H. HUMMERT.

➡ **Prices in This Catalog Are Subject to Change Without Notice** ⬅

LAWN GRASS SEED

All our Lawn Grasses are re-cleaned and tested for highest quality, purity and germination.

One pound of Lawn Seed will sow 10x30 feet; 75 to 100 pounds to the acre.



OUR FINEST LAWN MIXTURE

VELVET LAWN SEED

The finest balanced mixture of the best Kentucky Blue Grass, Fancy Recleaned Red Top, small percentage of Rye Grass and White Clover. The best lawn mixture for this climate. 3 lbs., \$2.50; 5 lbs., \$4.00; 10 lbs., \$7.75; 25 lbs., \$17.50; 100-lb. bag, 67c per lb.

ALTA FESCUE

Excellent for roadsides, athletic fields, airports etc.—quite drought resistant—deep root system—quite coarse for lawn purposes. 5 lbs., \$4.00; 25 lbs., \$17.50.

BENT, COLONIAL or HIGHLAND (*Agrostis tenuis*)

An excellent all-around Bent for lawns, greens, parks and playing fields; grows on wide range of soils; spreads mainly by underground root stalks or rhizomes, making a deep reinforced sod. Sow about 3 lbs. to 1000 square feet. 1/2 lb., 75c; 1 lb., \$1.50; 5 lbs., \$7.00.

BENT, SEASIDE

This is the variety which was first identified in Oregon. It is a hardy creeping variety forming a close, matlike sward. 1/2 lb., 75c; 1 lb., \$1.50; 5 lbs., \$7.00.

BERMUDA

It is of dwarf habit with long creeping stems, rooting at the joint and covering the ground with a matting of fine turf. 1 lb., 65c; 5 lbs., \$3.00.

BLUE GRASS, KENTUCKY (*Poa pratensis*)

Fancy extra re-cleaned. Kentucky Blue Grass is largely used for lawns and when once established, lasts indefinitely. An excellent pasture grass. Deep rooting and has an attractive color. For lawns, sow 5 lbs., per 1000 sq. ft. 5 lbs., \$4.00; 10 lbs., \$7.75; 25 lbs., \$17.50; 100-lb. bag, 67c per lb.

BLUE GRASS, KENTUCKY SUPREME BRAND

98 per cent pure. This seed is re-cleaned to the highest purity obtainable. 5 lbs., \$4.50; 10 lbs., \$9.00; 25 lbs., \$21.25; 100-lb. bag, 80c per lb.

CREeping RED FESCUE

A variety of Fescue; superior to Chewings. This fine-leaved grass produces a bright green turf, especially well adapted for tree shade. Sow 5 lbs. per 1000 sq. ft. 1 lb., 85c; 3 lbs., \$2.40; 5 lbs., \$3.75; 10 lbs., \$7.50; 25 lbs., \$17.25.

ILLAHEE FESCUE

An improved strain of Red Fescue developed in Oregon, fine for lawn mixture. 1 lb., 95c; 5 lbs., \$4.50; 10 lbs., \$9.00; 25 lbs., \$21.25.

RED TOP, FANCY

Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It is strongly drought resistant. 3 lbs., \$2.25; 10 lbs., \$7.50; 25 lbs., \$17.50.

RYE GRASS, PERENNIAL

A hardy grass of quick growth, suitable for lawns and meadows. 3 lbs., \$1.20; 5 lbs., \$1.75; 10 lbs., \$3.50; 100 lbs., \$26.00.

RYE GRASS

Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. 3 lbs., 80c; 5 lbs., \$1.25; 10 lbs., \$2.50.

WHITE or DUTCH CLOVER FOR LAWNS

A low growing Clover. Very desirable for beautifying the lawn. 1 pound covers 600 square feet. 1/2 lb., 85c; 1 lb., \$1.50; 5 lbs., \$7.25.

Fertilizers for Gardens: Vigoro, Vertagreen and Milorganite

VEGETABLE SEEDS

Prices quoted are subject to change

One of the most profitable spring crops for the greenhouse or hotbed plant is seedling vegetable plants for home gardens. We are offering vegetable seeds only in the best standard varieties for market and home garden. Should you desire any variety not listed, please write.

ASPARAGUS

Mary Washington. (Rust-proof.) Undoubtedly the finest rust-resistant variety grown. Shoots thick; heavy yielder of fine quality. Oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

BUSH BEANS, GREEN POD

Plant seed when danger of frost is past and the soil is quite warm, in rows 18 to 30 in. apart for hand cultivation or 2½ to 3 ft. apart for field cultivation. Make furrows about 2 in. deep and space Beans 2 to 3 in. apart in the row. 1 lb. will plant 100 ft. of row.

Bountiful Stringless. 48 days. This is the best flat-podded stringless variety. The light green pods are 6½ to 7 inches long.

Black Valentine Stringless. A shipping and market garden variety. True strain develops a fine, long, absolutely round, stringless pod.

Stringless Green Pod. 52 days. A very desirable dwarf, round, green-podded snap Bean, largely grown for the market.

Tendergreen Stringless. 56 days. A very high quality green-podded sort, of the finest quality. Pods are perfectly round.

Price above: Large pkt., 15c; ½ lb., 25c; 1 lb., 45c; 10 lbs., \$4.00; 25 lbs., 36c per lb.

Rival. A new, round, green-podded, stringless snap Bean resembling Tendergreen and resistant to Mosaic diseases, maturing in 50 days. Dark green color. Pkt., 15c; ½ lb., 35c; 1 lb., 60c; 5 lbs., \$2.90.

BUSH WAX BEANS

Pencil Pod Wax. 52 days. The pods average 5 to 6 inches in length, a round-podded wax variety; they are very solid, meaty and tender.

Round Pod Kidney Wax. A leader and standard in the wax pods as a canning variety. Has supreme quality. Widely used in the home garden and recommended as adapted for freezing preservation.

Above Two Varieties:

Large pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

BUSH LIMA BEANS

Burpee's Improved Bush Lima. 80 days. Grows 10 to 30 inches; handsome large pods. Pkt., 15c; ½ lb., 30c; 1 lb., 55c; 5 lbs., \$2.50.

Henderson's Bush Lima. 74 days. Produces enormous crops. Small seeded—sure to produce under any conditions. Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.25.

POLE BEANS

One pound will plant 200 hills.

Kentucky Wonder, Old Homestead. 65 days. Unexcelled for home and market garden.

St. Louis Perfection. 70 days. An early maturing, green-podded, white-seeded pole sort, desirable for snaps and unsurpassed in its class as green shell Beans. The pods are round.

Large pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

POLE LIMA BEANS

King of the Garden. 84 days. One of the best pole Limas, large leaved, good climber. Pods about 4½ to 5½ inches long. Large pkt., 15c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25.

SOUP BEANS

Grown mostly for dried Beans for winter use.

Great Northern or Large Navy. Splendid field Bean, excellent flavor, cooks rapidly.

White Navy. The most widely known and grown of the commercial Beans.

Large pkt., 10c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50.

TABLE BEETS

1 oz. to 60 ft. of row.

Sow seeds as early in the spring as the ground can be worked. For a continuous supply make repeated sowings 3 to 4 weeks apart, allowing plenty of time for the last sowing to mature before frost. Sow seed in rows 1½ to 2 ft. apart, cover with ½ in. of fine soil.

Early Wonder. 50 days. Earliest and best for early market or home garden. Tops short, flesh dark red. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

Detroit Dark Red Selected. 55 days. Standard for home and market garden. Uniform globe-shaped. Pkt., 10c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.25.

MANGEL BEET

Used largely for winter feeding of your stock. Sow seed in early spring in rows 2 to 3 ft. apart; cover with ½ in. of soil.

Mammoth Long Red. Oz., 15c; ¼ lb., 35c; 1 lb., 95c.

BROCCOLI

Green Sprouting. (Calabrese.) 85 days. The standard variety of sprouting Broccoli for home garden, market. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

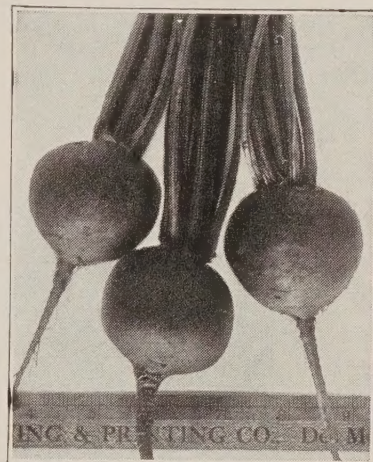


BRUSSELS SPROUTS

Long Island Improved. 120 days. Grown extensively on Long Island for the New York market. Compact plants, 20 in. tall, with solid, round, Cabbage-like sprouts measuring 1¼ to 1½ in. in diameter. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.50.



Rival Stringless



Detroit Dark Red Beet

CABBAGE

For earliest crop, start seed in hotbed; for medium early Cabbage, seed may be sown in a cold frame or open-ground seedbed in early spring. Sow late Cabbage for winter use in a seedbed outdoors when soil has become thoroughly warm. A packet will produce about 250 plants, an ounce will produce about 2000 plants.

All Seasons. 80 days. Of the flat Dutch type and a first class main crop. The heads are very large and solid. $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

Copenhagen Market. (Select.) 66 days. A very choice strain. Medium-sized heads; compact, good yielder. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.75.

Charleston Wakefield. 70 days. Large, heart-shaped, average weight 4 to 5 lbs. For home and market garden. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c.

Early Dwarf Flat Dutch. 65 days. Heads nearly round, firm, fine flavor and high quality. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.

Early Jersey Wakefield. Pointed heads. 62 days. Extremely early variety, very valuable for home and market garden. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., 90c; 1 lb., \$3.00.



Golden Acre

Golden Acre. (Select.) 64 days. Round head, short stem. Uniform, firm, especially valuable for early market and shipping. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.75.

Premium Late Flat Dutch. 90 days. Good keeper, firm heads of good quality. Dependable. Pkt., 15c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.50.

YELLOWS RESISTANT VARIETIES

Detroit. (Yellows Resistant.) Similar to Golden Acre except larger head. It is very uniform, has earliness and is desirable for planting on yellows infested soil. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.10; 1 lb., \$4.00.

Marion Market. (Yellows Resistant.) 85 days. This was originally bred up from Copenhagen Market. It takes about 20 days longer to mature. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.10; 1 lb., \$4.00.

SAVOY and RED CABBAGE

Dwarf Savoy. 85 days. Heads medium large; flat and firm. Crimped leaves. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c.

Dark Red. 90 days. Best red variety. Good keeper. round hard head. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c.

CHINESE CABBAGE

Chinese or Celery Cabbage

Chihli. 75 days. This is a sure heading, vigorous growing lettuce variety with erect, cylindrical pointed heads 18 to 20 inches long. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

COLLARDS

Georgia or Southern. A variety of Cabbage that does not form a head, but produces a mass of leaves. Very hardy and continuous grower. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.



CAULIFLOWER

Packet will produce 200 plants; ounce 2000 plants.

Super Snowball. Finest quality. 65 days. Well adapted for use under a wide range of conditions. Heads large, firm and pure white, and well protected by inner leaves. Pkt., 20c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; 1 oz., \$1.75.

Early Snowball. 54 days. Unquestionably the earliest maturing strain of short leaf type of Cauliflower. It is well adapted for forcing or winter use for early crop and is one of the most popular. Pkt., 20c; $\frac{1}{4}$ oz., 50c; $\frac{1}{2}$ oz., 90c; oz., \$1.75.

CARROTS

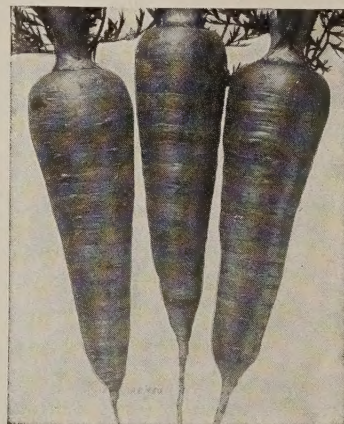
1 oz. will sow 100 feet of row.

Sow the early sorts in March and April, in drills 1 inch deep and 14 inches apart; thin out to 2 inches. For main crop sow in May or beginning of June. A rich, mellow, deeply worked soil gives the finest Carrots.

Chantenay. 70 days. Roots about 5 to 6 inches in length, 2 to 2 $\frac{1}{2}$ inches thick at the crown, smooth and tapering. Color deep orange-red. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.85.

Danvers Half Long. 75 days. Well-known main-crop or late Carrot of great uniformity. The deep orange-red roots are 7 to 7 $\frac{1}{2}$ in. long and 2 to 2 $\frac{1}{2}$ in. in diameter, tapering gradually toward the blunt end. The flesh is bright orange, fine grained, tender, rich in flavor. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.85.

Oxheart or Guerande. 75 days to produce roots of good table size. Especially desirable for field culture on heavy soil; good keeper. Roots scarlet-orange; broad, blunt, heart-shaped; become 4 $\frac{1}{2}$ to 5 in. long; easily harvested. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; lb., \$1.75.



Danvers Half Long Carrot

CELERY

1 packet will produce 300 plants.

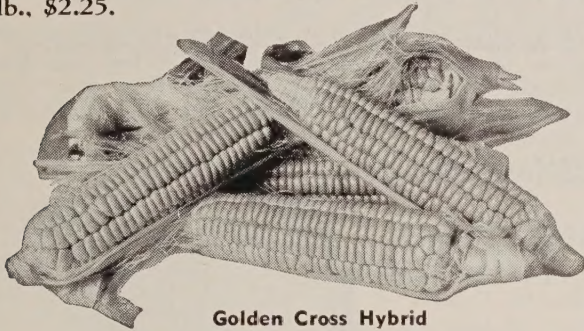
Giant Pascal. 140 days. The standard late, green Celery of excellent quality. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.50.

Golden Self Blanching. Select. 85 days. Early and very desirable for home and market garden. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.50.

Celeriac. Turnip rooted. 120 days. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.25.

CORN SALAD

Large Leaved. Sometimes called Lamb's Lettuce. An extremely hardy type plant that forms rosettes of tender leaves which are used as a substitute for Lettuce and mixing with salads. Leaves are large, rounded and thick. Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.



Golden Cross Hybrid

SWEET CORN

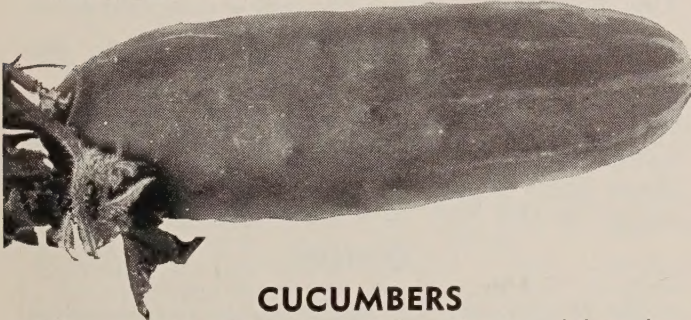
1 pkt. plants 40 hills; 1 lb., 250 hills; 15 lbs. to acre. Plant seed after all danger of frost has passed and the soil has become thoroughly warm, in rows 2½ to 3 ft. apart, spacing the seeds 4 to 6 in. apart in the row; cover with 1 in. of soil and later thin to stand 9 to 12 in. apart.

Golden Cross Hybrid. 85 days. Bred for wilt resistance, high yield and superlative quality. Grows 7 to 8 ft. high. Fine ears with 10 to 14 rows of light golden kernels. Pkt., 15c; ½ lb., 30c; lb., 55c; 5 lbs., \$2.50; 10 lbs., \$4.75.

Cornell's Gold Rush Hybrid. First early, golden yellow hybrid. Stalks 6 ft. tall, produces an average of 2 ears per stalk, ears 8½ in. long, 12 to 14 rows slightly tapered, well filled to tip. Attractive yellow; sweet and tender. Pkt., 15c; ½ lb., 30c; lb., 55c; 5 lbs., \$2.50.

Evergreen Hybrids. 90 days. You've tried yellow hybrids, now test the superiority of this Corn of the Stowell's Evergreen type. Plants grow 8 to 10 ft. tall, ears measure 7½ to 8½ inches, with 14 to 18 rows of deep, narrow kernels. Pkt., 15c; ½ lb., 35c; lb., 65c; 5 lbs., \$3.00.

Country Gentleman Hybrid. About 95 days. The grain is small, and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 15c; ½ lb., 40c; lb., 75c; 5 lbs., \$3.50.



CUCUMBERS

Do not plant Cucumbers before danger of frost has passed, as the plants are very tender and the least frost will damage or kill them. Plant in hills or rows 4 feet apart. For pickles, plant from June first to middle of July. ½ oz. to 25 hills; 2 lbs. to 1 acre.

Stay Green. 64 days. Fruits rich dark green, retaining their color long after picking, 7 to 8 inches long, 2¾ inches thick. Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$1.90.

Davis Perfect. 60 days. A very fine Cucumber. Beautiful dark green color. Fruits 8 to 10 inches long, tapering at both ends, solid flesh, few seeds. Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75.

Long Green Improved. 70 days. The fruits are very long, often 12 to 15 inches when mature, yellow when ripe. Pkt., 10c; oz., 20c; ¼ lb., 65c; 1 lb., \$2.00.

Straight Eight. 64 days. This White Spine variety typifies its name, running quite straight, regularly 8 inches long and 2 inches in diameter. Color dark green. Pkt., 15c oz., 25c; ¼ lb., 75c; lb., \$2.25.

Snow's Perfection Pickling. 60 days. Is grown almost exclusively for pickling and is ideal for that purpose. It produces fruits of pickling size in 47 to 50 days. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

EGGPLANT

Sow seed in hotbeds early in spring and transplant to the open after all danger of frost is over, 2 feet each way; cultivate frequently.

Black Beauty. 80 days. It is oval in shape, uniformly the darkest in color. Perfectly spineless and smooth. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

Improved New York Purple. About 83 days. Early and almost continuous bearing; fruits are satiny smooth. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

ENDIVE

1 oz. of seed for 50 ft. of row.

One of the best salads for fall and winter use, and sometimes used for greens, flavoring soups and stews. It may be grown at any season but is more generally planted for fall.

Broad-Leaved White or Escarolle. 92 days. A distinctly improved form of Broad-Leaved Endive. Plant medium large with deep, full, well-blanching heart of infolded broad leaves. Pkt., 10c; oz., 20c; ¼ lb., 60c.

Green Curled. 95 days. The leaves of this variety are finely divided, giving a mossy appearance. Pkt., 10c; oz., 20c; ¼ lb., 60c.

HERB SEEDS

Every kitchen garden should have some of the popular herbs.

Anise. The leaves are finely fringed; used in garnishing and flavoring. Pkt., 10c; ½ oz., 25c; oz., 45c.

Basil. Leaves are used for aromatic seasoning. Pkt., 10c; ½ oz., 30c.

Borage. A popular annual herb of many uses. It develops into an attractive plant about 18 inches high. The upper leaves and flowers are used in salads and the lower leaves are cooked and used as Spinach. Pkt., 10c; ½ oz., 20c; oz., 35c.

Caraway. This is a biennial herb that is frequently grown as an annual. The roots are eaten as a vegetable, the leaves for garnish and in salads, and the seeds are much used in confectionery. Pkt., 10c; ½ oz., 15c; oz., 25c.

Dill. Leaves and seed used for flavoring in dill pickles, soups and sauces. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Lavender. (Perennial.) Leaves used for seasoning and the dried leaves for sachets. Pkt., 15c; ½ oz., 45c.

Marjoram. (Perennial.) Sweet. Tops green or dried, used for flavoring soups. Pkt., 15c; ½ oz., 35c.

Rosemary. Used for seasoning. Pkt., 15c; ½ oz., 35c.

Sage. (Perennial.) Dried leaves much used for seasoning in dressings; the most popular of all herbs. Pkt., 10c; ½ oz., 20c; oz., 35c.

Summer Savory. Dried leaves and flowers are used for flavoring soups and dressings. Pkt., 15c; ½ oz., 30c.

Thyme. (Perennial.) The leaves and shoots are used for seasoning and flavoring sausage and other meats. Pkt., 15c; ½ oz., 50c.

KALE

Siberian. 40 days. Very hardy and improved by moderate frost. Sow in May or June. Makes excellent greens, tender and fine flavor. Oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

Dwarf Green Curled Scotch. 55 days. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.65.

KOHLRABI

1 oz. of seed will produce from 3000 plants.

For early use sow in hotbeds and transplant. Out-of-doors sow in open ground the first part of April in rows 18 inches apart; thin out.

Earliest White Vienna. 55 days. Greenish white outside, with clear white flesh within, fine quality. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

Earliest Purple Vienna. Same in every respect except in color. Pkt., 10c; ½ oz., 20c; oz., 30c.



LEEK

The long, thick, blanched neck is desirable for soups, stews, or creamed. It belongs to the Onion family.
Large London Flag. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00.

LETTUCE

1 oz. will produce 3000 plants.

Lettuce seed should be sown very early in the spring and at intervals of 15 days for a succession; sow the seed in shallow drills, being careful to firm the soil over the seed and thin to 4 inches in row.

EARLY CURLED VARIETIES

Early Curled Simpson. 45 days. The standard loose-headed variety. Earlier than the heading sorts. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$1.90.

Black-Seeded Simpson. 45 days. Easily grown, especially recommended for spring and early summer use. The leaves are large, yellowish green, fringed and crumpled. The inner leaves are almost white. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$1.90.

Grand Rapids. 45 days. Especially adapted for early family use. A loose-headed Lettuce of pleasing appearance and remarkable table merit. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$1.90.

Prize Head. 40 days. Forms a very large loose head, slightly tinged brown. Pkt., 10c; oz., 25c; ¼ lb., 75c.



Great Lakes

HEADING VARIETIES

Big Boston. 70 days. Especially valuable for summer and fall use out-of-doors. It is a butter-head type with glossy leaves tinged brown. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$1.90.

Bibb Lettuce. A loose waxy head variety with very deep green outer leaves, bleaching to a rich yellowish green inside. Heads medium size, unusually crisp and tender, and of a distinct flavor. Very popular for family gardens. Pkt., 10c; oz., 25c; ¼ lb., 90c.

Great Lakes. 75 days. Iceberg type, bred to make tight heads in hot weather. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

New York or Wonderful. A decidedly crisp, Cabbage-heading variety. Very large, rooting deeply, resisting hot, dry weather, slow to run to seed. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

Oakleaf. Noted for its ability to withstand hot weather without turning bitter. Leaves are smooth and lobed to resemble the leaf of an oak tree, deep green and tender. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

MUSTARD

1 oz. will sow 40 ft.

Mustard greens are as healthful and nourishing as Spinach.

Chinese Broad-Leaved. The leaves are broad, smooth and often 12 inches long. Color deep green. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

Southern Giant Curled (Long Standing). 30 days. The leaves of this variety are closely curled and finely fringed. A little slower growing than the frilled varieties but longer standing. 1 oz., 10c; ¼ lb., 35c; 1 lb., 75c; 5 lbs., \$3.50.

MUSKMELON

or

CANTALOUPE

1 oz. plants 50 hills;
2 lbs. to 1 acre.

Plant in May for early crop; in June for late crop.

Hale's Best. 85 days. Exceptionally fine quality, originating in California's famous Imperial Valley. Salmon flesh, medium early. A splendid shipping Melon. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.90.

Pride of Wisconsin. 90 days. Salmon flesh of unusual thickness. The Melon grows to an average size of 8 inches. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., \$2.00.

**WATERMELON**

1 oz. for 20 hills; 3 to 4 pounds per acre.

Black Diamond. 95 days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular variety. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$2.50.

Kleckley's Sweet. 95 days. This is considered the sweetest of the large melons. Particularly adapted for home garden.

Stone Mountain (or Dixie Belle). 110 days. Rich dark green in color with scarlet flesh that is exceptionally sweet.

Tom Watson. 110 days. The rind is dark blue-green; the flesh is deep red and very sweet.

Above 3 varieties: Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

OKRA or GUMBO

Okra pods are used in soups, stews, catsup and other relishes. They are at their best when 1 to 3 inches long.
Dwarf Green Prolific. 65 days. Low, stocky and productive, with long pods. Oz., 10c; ¼ lb., 35c; lb., 90c.

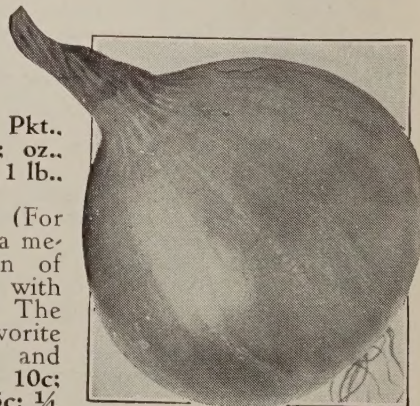
ONION

1 oz., will sow 100 ft. of row.

One of the most nutritious and healthful of vegetables.
Southport White Globe. 110 days. This variety yields abundantly, producing medium to large, fine shaped clear white bulbs. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.

Sweet Spanish. (Utah Strain.) 110 days. A very large globe-shaped, light yellow Onion with small top and an exceptionally fine shipper. Very mild, sweet flavor. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

White Portugal. (For pickling.) This is a medium sized Onion of mild flavor and with clear white skin. The variety is a favorite bunching Onion, and for pickles. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.50.



Sweet Spanish Onion

PARSLEY

1 oz. sows 150 ft. of drill.

Easily grown and useful for so many purposes. Seed is sown in rows one-half inch deep and one foot apart. Cover firmly but not deep. As it is slow to germinate, usually taking 3 to 4 weeks, soaking in water is desirable.

Double Curled. The best green curled. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

PARSNIP

1 oz. for 100-ft. row, 5 lbs. per acre.

General culture for Parsnips is the same as for Beets, except a light or slightly sandy soil is best. May be left in ground through winter.

Hollow Crown. 95 days. This is the most popular and best variety in cultivation. The skin is smooth and the flesh tender. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.00.

GARDEN PEAS

1 lb. is enough for 100 ft. of row.

Peas make their best growth during cool weather so that the first planting of seed should be made as early in the spring as the soil can be worked.

Alaska-Ameer Mammoth Pod. The seed being smooth, it can be planted as early as any of the extra early varieties. It is very prolific; pods of a rich dark green color. Vine about 30 inches high. Matures in about 56 days. Pkt., 15c; ½ lb., 20c; 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

Laxton's Progress. 62 days. The earliest of the large-podded dwarf Peas. Pods 4½ inches long, containing 7 to 9 dark green Peas. 18 inches tall. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 15 lbs., \$3.50.

Little Marvel. 63 days. A leading variety of wrinkled-seeded. Grows 18 inches high. Pods average 3 inches, well filled with 7 or 8 large,

deep green Peas. Pkt., 15c; ½ lb., 25c; 1 lb., 40c; 5 lbs., \$1.75.

PEPPER

1 oz. will produce 2000 plants.

Seed should be sown in a hotbed or in a shallow box in a warm place in the house, allowing 8 to 10 weeks to produce plants large enough to set outdoors when all danger of frost is past.

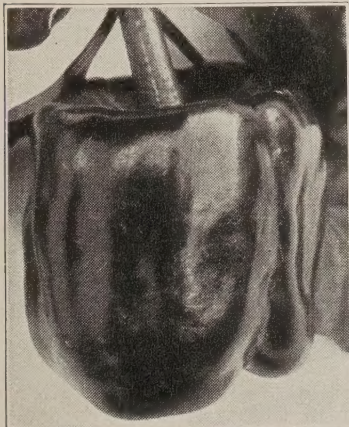
Bell or Bull Nose. 65 days. An early sweet Pepper. Large, bright red, thick flesh. Pkt., 10c; ½ oz., 20c; 1 oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.50.

California Wonder Select. (Sweet.) 72 days. Standard of excellence in sweet Peppers. Heavy producer, fruit large, smooth. Pkt., 10c; ½ oz., 30c; 1 oz., 50c; ¼ lb., \$1.75; 1 lb., \$6.00.

Chinese Giant. (Sweet.) 80 days. The largest sweet Pepper. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

Hungarian Yellow Wax. 70 days. This large fruited, early, hot Pepper is highly esteemed for canning. The plants produce a fine crop of fruits 6 to 7 in. long and 2 inches in diameter. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

King of the North or Ruby Giant. 60 days. The best early large Pepper which will be valuable for northern states. The fruits are enormous in size and color up a brilliant red. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., \$1.50.



Pepper

Pimiento. 73 days. The shape is distinctly conical, medium size. Color, when young, is a glossy green turning ruby-red when ripe. Pkt., 10c; ½ oz., 30c; 1 oz., 45c; ¼ lb., \$1.50.

Sweet Yellow or Banana. (60 days.) Probably the largest, earliest and sweetest of all yellow Peppers. It is Banana-shaped, averaging about 6 inches in length and 2 inches in diameter. Light yellow in color. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

PEPPER—SMALL FRUITED VARIETIES

Long Red Cayenne. The fruit is 4 inches long and 1 inch thick, twisted and pointed. The flesh is strong and pungent. Recommended for drying. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., \$1.50.

Red Chili. Bright red when ripe and are very hot or pungent. They are used for making Pepper sauce. Pkt., 10c; ½ oz., 25c; 1 oz., 50c.

PUMPKINS

Culture: Generally planted in Corn after the last working and gathered after Corn has been shocked. For field crop, plant in May or June in hills 8 feet apart, about 5 to 10 seeds to the hill.

Kentucky Field. 100 days. Standard large Pumpkin for canning and for stock feed. Oz., 10c; ¼ lb., 30c; 1 lb., 75c.

Small Sugar. 100 days. Round, slightly ribbed fruits of medium size, about 7 in. in diameter. Best pumpkin for general use; good keepers. Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25.

RADISHES

1 oz. will sow 100 ft. of row.

One ounce sows 75 ft. of drill. If broadcast requires 10 lbs. per acre. For forcing in frames sow in January or February. Out-of-doors, sow from March to June for early summer crops. For late, sow from July to September. Early sorts mature and are ready for the table in 21 to 30 days from sowing.

Crimson Giant. 30 days. Roots scarlet, spherical. Largest early Radish which remains crisp the longest. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

Scarlet Turnip White Tipped or Sparkler. Something extra fine. 23 days. The lower half is white, the upper half bright scarlet, the contrast in color being very showy either on the table or market stand. Oz., 10c; ¼ lb., 35c; 1 lb., 80c; 5 lbs., \$3.50.

Scarlet Globe. (Selected Stock.) 23 days. The interior of the root is pure white, mild, crisp and fine grained. Recommended for market garden or forcing. Oz., 10c; ¼ lb., 35c; 1 lb., 80c; 5 lbs., \$3.50.

Iceberg. 35 days. A magnificent white variety. Grows 3½ to 4 inches long. Oz., 10c; ¼ lb., 35c; 1 lb., 80c; 5 lbs., \$3.50.

WINTER RADISHES

Rose-Colored China. Extremely solid and a most excellent keeping variety. Oz., 10c; ¼ lb., 35c; 1 lb., 90c.

Round Black Spanish. Skin black, flesh white. A fine keeper. Oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.

California White Mammoth. The best white Radish for late fall planting. Oz., 10c; ¼ lb., 35c; 1 lb., \$1.00.



Scarlet Globe Radish

RHUBARB or PIE PLANT

Myatt's Victoria. A splendid early sort. Stalks are large, very thick, of rich red color, and almost stringless. Oz., 25c; $\frac{1}{4}$ lb., 75c; 1 lb., \$2.25.

SALSIFY

Often called "Oyster Plant" and is easily grown. Sow in April in rows 18 inches apart, thinning out to 4 to 6 inches. Cultivate deeply and often.

Mammoth Sandwich Island. This variety is uniform in growth. The roots are of superior quality and most delicate flavor. Pkt., 10c; $\frac{1}{2}$ oz., 20c; 1 oz., 35c; $\frac{1}{4}$ lb., 90c.

SPINACH

1 oz. to 30 or 35 ft. of drill.

Sow early in spring. Spinach is high on the list of health-giving and body-building vegetables. Grow more and eat more. It is essentially a spring and autumn crop and delights in cool, moist weather. While an annual, it is so hardy that it may be sown in the autumn and carried over winter except in the extreme North, coming on very early in the spring.

Bloodsdales Long Standing. 45 days. An outstanding strain of the Savoy Leaved Spinach. Much in demand for home and market gardens. It is slow to run to seed. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c; 10 lbs., \$4.25.

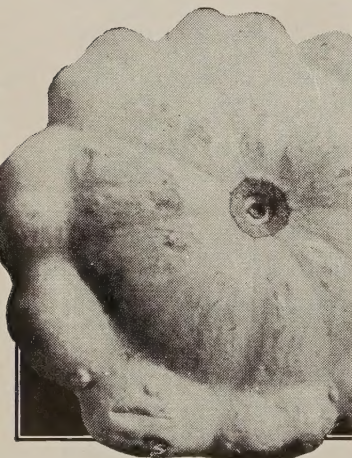
Zealand Spinach. 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c.



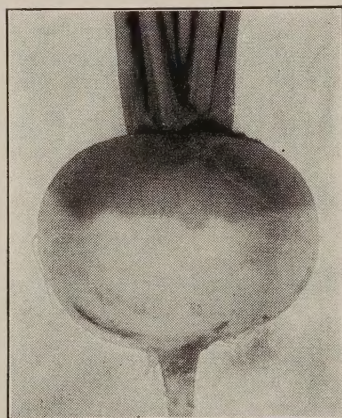
Swiss Chard

SWISS CHARD

Lucullus. 60 days. Large leaves are wrinkled, with thick midribs, tender and of good flavor. Large pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c.



Mammoth White Bush Squash



Purple-Top White Globe Turnip



Bloodsdales Spinach

SQUASH

1 oz. will plant 20 hills; 2 lbs. an acre.

Do not plant until all danger of frost is over. The bush summer varieties of Squash can be planted 5 feet apart, but the running winter varieties should be 8 to 10 feet apart.

Acorn or Table Queen. (60 days.) This unique winter Squash has already won favor. Just the right size to cut in half (when it will bake in 20 minutes) and serve individually. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.60.

Gray Zucchini. 60 days. When matured it is 18 inches long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Mammoth White Bush. 54 days. Creamy white and scalloped around the edges; flesh is milk-white and of delicious flavor. Widely used for stewing or boiling. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; 1 lb., \$1.75.

Warted Hubbard. 110 days. Warted Hubbard Squash has been bred to the highest quality; fruits are large; skin rough, dark green; flesh bright orange, fine grained, rich and dry. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 65c; 1 lb., \$1.90.

Yellow Summer Crookneck. 55 days. Our strain produces fruit nearly double the size of the old "Crookneck." Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

TURNIPS

For early use, sow in March or April, either broadcast, or in drills.

Turnips for main crop are sown from July to September 15th, broadcast $1\frac{1}{2}$ to 2 lbs. per acre. An ounce will sow about 300 feet. Turnips for greens can be sown as late as October 1st, and require 2 lbs. per acre.

Purple Top White Globe. Roots globular, smooth; bright purplish red above, white below. Flesh white, firm, fine grained and tender. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c; 10 lbs., \$7.50.

Seven Top, for Turnip Greens. A foliage turnip for table and forage use. Crown sends up numerous leafy shoots which are excellent for greens. Oz., 10c; $\frac{1}{4}$ lb., 30c; 1 lb., 75c.

RUTABAGAS

American Purple Top. A hardy productive variety; roots are large, globular in form, with a very small tap root; color, bright yellow with a purple top; flesh yellow. Oz., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.

TOMATOES

1 oz. will produce about 1000 plants.

Tomatoes should be in every garden. It is quite simple to grow your own plants. Sow the seed in a hotbed, or in a shallow box in the house, allowing 6 to 8 weeks to produce plants large enough for setting out doors when weather becomes warm. Sow in rows 3 in. apart and cover with $\frac{1}{4}$ in. of soil. When plants are about 2 in. tall, transplant to stand 4 in. apart each way, or pot singly in 3-in. pots. Plant outdoors when all danger of frost is past, in rows 4 ft. apart and 3 ft. apart in the row.

Bonny Best. 75 days. One of the most prolific of the early Tomatoes. Medium size, solid, bright red. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.40; 1 lb., \$5.00

Break O' Day, Certified. Wilt resistant. 85 days. Vines vigorous and very productive. An early scarlet fruited variety. Medium to large size and globe-shaped. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

Crimson Cushion or Beefsteak. 98 days. Late, red, very large. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

Earliana. Very early—particularly valuable for home and early market garden. Medium size, deep scarlet. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50; 1 lb., \$5.50.

Firesteel. 62 days. A small vine, large fruited Tomato that is early, smooth, red through, of semi-acid flavor. For dry seasons there is nothing equal to it. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Greater Baltimore, Certified. The leading canning and juice Tomato. Fruits have been slightly deepened in shape, reducing loss of peeling and coring. Noted for its deep red color throughout, ripens evenly over entire surface. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.40; 1 lb., \$5.00.

Grothen's Globe, Certified. A much improved type over Break O' Day. Like Break O' Day it is wilt resistant and in addition the vines are heavier foliaged giving protection against sunscald and produces large deeper fruits of full red color. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

Jubilee. New orange colored, Non-acid, meaty, recommended. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c.

Livingston's Beauty. Purplish pink, somewhat flattened, large, smooth. An old variety which withstands adverse weather. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.



Marglobe, Certified

Livingston's Globe, Certified. 85 days. A large, purplish pink, globe-shaped or very nearly round Tomato of excellent quality. Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; 1 lb., \$6.00.

Marglobe, Certified. 85 days. Of fine appearance, and great productiveness. In color it is a most beautiful scarlet, ripening well up to the stem. The "Marglobe" has proven resistant to wilt. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.40; 1 lb., \$5.00.

Marhio. A wilt-resistant pink Marglobe. An introduction from the Ohio Experiment Station, popular as a variety for greenhouse forcing, market and home gardening use. Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00.

Michigan State Forcing. Wilt resistant. Distinct greenhouse Tomato developed at Michigan State College. Rich, deep scarlet fruits. Pkt., 25c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.25.

Oxheart. 90 days. Extra large, heart-shaped, few seeds, mild flavor. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 75c; $\frac{1}{4}$ lb., \$2.75.

Ponderosa. 85 days. Extremely large; purplish pink, few seeds, mild flavor. Pkt., 15c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.25.

Pritchard, Certified. (Scarlet Topper Certified.) 90 days. Fine all-round variety, heavy yielder; second early; wilt-resistant; fruit solid. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.50.

Rutgers, Certified. 85 days. Desirable for market gardeners; bright red, smooth, thick walls—firm and mild. Does well even at a low fertility level. Favorite in sandy soil. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.40; 1 lb., \$5.00.

Stokesdale Certified. 75 days. Early, suitable for shipping. Fruits uniform, deep scarlet; globe shape. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.40; 1 lb., \$5.00.

Stone Improved. Valuable for market and canning; heavy producer; deep scarlet. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

PICKLING or PRESERVING TOMATOES

Red Cherry. Used for preserving and pickling. Fruit small, round and deep red.

Yellow Plum. Fruits plum-shaped, clear yellow color. Either above: Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c.



Rutgers, Certified

Selected Flower Seeds



Ageratum, Midget Blue

AGERATUM, MEXICANUM

	Tr. pkt.	1/8 oz.
Blue Cap. 4 in. Dwarf, compact. True blue flowers. Very uniform	\$0.25	\$0.45
Blue Ball Improved. 6 to 10 in. Large flowered strain .....	.20	.50
Midget Blue. Fine dwarf, compact, rich blue .....	.30	.75

ALYSSUM

	Tr. pkt.	Oz.
Carpet of Snow. The best extra dwarf strain we know of	1/4 oz., 25c..	\$0.15 \$0.90
Little Gem. 6 inches. White, good even stock	1/4 oz., 25c..	.15 .90
Violet Queen. Bright violet, dwarf, compact, fine for bedding and borders ..	1/4 oz., 35c..	.20 1.10
Lilac Queen. New variety, compact, good color, lavender-lilac	1/4 oz., 25c ..	.15 .80

ALYSSUM (Perennial)

	Tr. pkt.	Oz.
Saxatile Compactum (Basket of Gold.) An indispensable plant for the rockery or border, growing 1 foot high and producing in May masses of broad, flat heads of bright yellow flowers	1/4 oz., 30c..	\$0.20 \$1.00

AMARANTHUS

	Tr. pkt.	1/4 oz.
Tricolor (Joseph's Coat). 2 1/2 ft. The inner foliage is of blackest bronze, tipped with green; the outer bright scarlet and gold	\$0.15	\$0.35

ANCHUSA

(Annual)	Tr. pkt.	1/4 oz.
Blue Bird. Attractive deep Forget-Me-Not blue flowers. 18 in.	1 oz., 75c..	\$0.15 \$0.25

ANCHUSA (Perennial)

	Tr. pkt.	1/8 oz.
Myosotidiflora. A distinct dwarf species, 10 inches high, producing during April and May sprays of Forget-Me-Not-blue flowers. Excellent for the rock garden.	\$0.40	\$0.95

ANTHEMIS - Marguerite (Perennial)

Tr. pkt. 1/4 oz.

Kelwayi. A most satisfactory hardy perennial bearing daisy-like, golden yellow blossoms; excellent for cutting\$0.15 \$0.25

AQUILEGIA - Columbine (Perennial)

Long-Spurred Columbine

The plants are of strong, thrifty growth, with flowers of largest size, varying in color through tones of cream, pink, lavender, blue, white, red, etc. Tr. pkt. 1/4 oz.

Mrs. Scott Elliott's Hybrids. An excellent and popular long-spurred mixture.... 1/8 oz., 60c..\$0.35 \$1.00

Blue Shades. A very fine strain of light and dark blue shades 1/8 oz., 65c.. .35 1.15

Copper Queen. Copper-red and straw corolla 1/8 oz., 65c.. .35 1.15

Crimson Star. Crimson, the center white 1/8 oz., \$1.25.. .40 2.25

Orange and Scarlet Shades. Contains fine shades of orange-scarlet.. 1/8 oz., 65c.. .30 1.15

Rose Queen. Pink shades, long spurs. 2 1/2 ft. 1/8 oz., 65c.. .35 1.15

Snow Queen. 18 in. Finest pure white variety 1/8 oz., 65c.. .30 1.15



Aquilegia, Long-Spurred Hybrid

ARABIS - Rock Cress (Perennial)

Tr. pkt. 1/8 oz.

Snow Cap. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears\$0.20 \$0.40

ARMERIA - Sea Pink; Thrift (Perennial)

Tr. pkt. 1/8 oz.

Formosa hybrida. Heads of rosy pink flowers. Useful for edging or rockery..\$0.25 \$0.60

ASPARAGUS

Carefully harvested, hand-picked, plump, well-matured seed. 250 1000

seeds seeds

Plumosus\$0.70 \$2.25

Sprengeri70 2.25

ANTIRRHINUM

ANTIRRHINUM - Snaps

Super Majestic. Rust resistant. 16 to 20 inches. We are pleased to be able to offer this excellent base branching type.

Alaska. White.

Autumn Glow. Amber and gold.

Dainty. Soft rose.

DuBarry. Flaming salmon-rose.

Harmony. Terra cotta and yellow shaded rose.

Red Rocket. Bright red.

Rose Sensation. Rose-pink.

Wild Fire. Bright orange-scarlet.

Super Majestic Mixed.

Prices on above:

Each: Tr. pkt., 30c; 1/8 oz., 50c; 1/4 oz., 95c.

Maximum or Super Giants

Rust-Resistant. 2 3/4 feet.

In habit these are taller than the Majus group, and the individual flowers are much larger. Fine for cutting.

Campfire. Luminous scarlet.

Canary Bird. Canary-yellow.

Copper Queen. A real true copper-scarlet.

Crimson King. Fiery crimson.

Loveliness. Soft rose-pink.

Paradise Rose. Rose-pink.

Red Cross. Crimson, white tube.

Rosalie. A rich deep rose.

Shasta. Pure white.

Yellow Giant. Deep yellow.

Maximum Mixed.

University of California Improved Mixed. 30 in. Excellent for cutting.

Prices on the above varieties:

Each: Tr. pkt., 25c; 1/8 oz., 40c; 1/4 oz., 75c.



SNAPS for Greenhouse Forcing

Snapdragon being one of the leading Florists' Greenhouse crops.

HYBRIDS MARKED (*). The following are in originator's packages:

	Tr. pkt.		Tr. pkt.
Better Times. Bright rose-pink, early bloomer ...	\$2.00	Rockwood Pink Supreme. Fairly deep, bright rose-pink	\$2.00
Carol Jean (Dornacher). It is just a shade lighter than Ethel Yellow	2.00	Schumann's Lavender. A true color, produces a strong, sturdy stem with a spike of large flowers.	2.00
*Christmas Cheer. The best early pink. Easy to grow, sure to bloom, pleasing color. Sow in June for Christmas	3.00	Schumann's Velvet Red. Is a true red velvet; early	3.00
*Christina (Yoder). Light pink	3.00	Schumann's Yellow. Earlier and far superior to the old variety	2.00
Delworth's Supreme. Long, strong stems and fine spikes of deep rose-pink	1.50	St. Louis Pink (Rowe). Beautiful shade of silvery pink	1.50
*Dorcas Jane (Dorcas). Brilliant rose-pink hybrid. Early	2.50	Talisman. Improved strain, early, all double, all bronze	1.50
Ethel. Large, bright yellow flower, winter bloomer	1.50	White Prosperity. Clear white, extra fine	1.50
Gilbert's Pink. Medium early	1.50	White Wonder. Early snow-white	1.50
Glorious. Deep bronze, shaded scarlet	1.50	Windmiller's Lilac. Excellent orchid, true to type.	2.00
*Goldrush. Fine new early yellow	3.00	Yellow Wonder. Early clear deep yellow	1.50
Junglewood Lemon. New. Of a cream or lemon shade	2.00		
Junglewood White. Deep green foliage; tall, sturdy	2.00		
Junglewood Yellow. Large, rich yellow flower.	2.00		
Koester's White. It is early and a strong grower.	1.50		
Lady Dorothy. Bronze, shaded copper-red. Early.	3.00		
Madeline (Stoecker). Pure white. A fine white.	2.00		
Margaret. Is a winter blooming ivory-white	2.00		
*Mary Ellen (Yoder). Is a light rose-pink, blooming freely and evenly in winter	2.00		
*Maryland Pink. Early, light pastel pink. Large flowers	3.00		
Peggy Schumann. A fine rose-pink, excellent spikes	2.00		

STANDARD GREENHOUSE VARIETIES

Afterglow. Deep golden bronze, medium early ..	\$1.00
Bertha Baur. Good lavender	1.00
Ceylon Court Dark. Early yellow	1.00
Cheviot Maid Supreme. Best early clear rose-pink	1.00
Coates' Yellow Perfection. A fine deep yellow ..	1.00
Lucky Strike. Best white medium early	1.00
Rose Queen. Fine deep rose, medium early	1.00
Velvet Beauty. Rich American-Beauty-red in color	1.00
Greenhouse Varieties. Mixed. A good mixture ..	.75

ASTERS, Bodger's Wilt Resistant

Asters are now one of the most profitable cut flowers, whose culture has been greatly simplified by the introduction of Wilt-Resistant varieties.

Queen of the Market

Wilt Resistant. 1½ feet

Medium sized flowers. Blooms in July. The earliest			
Aster of quality.	Tr. pkt.	¼ oz.	Oz.
Azure Blue	\$0.30	\$0.50	\$1.75
Ballet Queen. Salmon-rose .....	.30	.50	1.75
Crimson .....	.30	.50	1.75
Dark Blue .....	.30	.50	1.75
Flesh Pink .....	.30	.50	1.75
Light Blue. Medium blue .....	.30	.50	1.75
Rose. Soft rose .....	.30	.50	1.75
White .....	.30	.50	1.75
Finest Mixed .....	.25	.40	1.60

Early Royal

Wilt Resistant, 2 feet

Blooms mid-July, directly following the Queen of the Markets.			
	Tr. pkt.	¼ oz.	Oz.
Azure Blue or Dark Lavender ...	\$0.30	\$0.50	\$1.85
Deep Rose. Taller .....	.30	.50	1.85
Purple. Deep purple .....	.30	.50	1.85
Shell-Pink .....	.30	.50	1.85
Coppery Rose .....	.30	.50	1.85
Scarlet .....	.30	.50	1.85
White .....	.30	.50	1.85
Finest Mixed .....	.25	.45	1.75

Giant Crego Improved (Incurved)

Wilt Resistant. 2½ feet

Twisted and curled petals. Flowers of good size.			
	Tr. pkt.	¼ oz.	Oz.
Azure Blue	\$0.30	\$0.50	\$1.75
Blue Flame. Bright navy blue ...	.30	.50	1.75
Crimson .....	.30	.50	1.75
Deep Rose. Bright rose .....	.30	.50	1.75
Light Blue .....	.30	.50	1.75
Pink. Shell-pink .....	.30	.50	1.75
Purple or Dark Blue .....	.30	.50	1.75
White .....	.30	.50	1.75
Finest Mixed .....	.25	.40	1.60

Heart of France

Brilliant Red. Blooms about August 15th. Generally considered the best red Aster			
	Tr. pkt.	¼ oz.	Oz.
	\$0.30	\$0.50	\$1.75



Early Royal



Aster, Princess

PRINCESS WILT RESISTANT

New cutting type having full crested centers. Early, branching habit, height about 2 ft.

Bonnie. Soft salmon-pink.

Elizabeth. New. Pure white.

Margaret. New. Florist rose.

Linda. Clear light rose.

Susan. New. True deep blue.

Princess Types Mixed. Choice formula mixture.

Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

American Branching Wilt Resistant

Plants 2½ to 3 feet tall, branching, robust, flowers large, double and fine form. Flowers late August and early September.

	Tr. pkt.	¼ oz.	Oz.
Azure Blue or dark lavender	\$0.30	\$0.50	\$1.85
Crimson .....	.30	.50	1.85
Peerless Pink .....	.30	.50	1.85
Purple .....	.30	.50	1.85
Rose .....	.30	.50	1.85
White .....	.30	.50	1.85
Mixed Colors .....	.30	.50	1.75

Ball Wilt-Resistant

2½ feet

	Tr. Pkt.	¼ Oz.	Oz.
Ball Deep Purple	\$0.30	\$0.60	\$1.85
Ball Deep Rose .....	.30	.60	1.85
Ball Early White .....	.30	.60	1.85

ASTERS, SINGLE CHINENSIS

Plant 1½ to 2 feet tall, flowers Daisy-like, petals wide and closely placed, blooms in late August.

	Tr. pkt.	¼ oz.
Single Varieties Mixed	\$0.30	\$0.50

BALSAM

	Tr. pkt.	1/4 oz.
Double Rose-Flowering	\$0.20	\$0.30
Double Camellia-Flowered Mixture .....	.20	.30
Double Bush-Flowering Rose .....	.25	.45
Double Bush-Flowering Mixed .....	.25	.40



Begonia Gracilis Luminosa

BEGONIA

Among the best bedding plants for semi-shady positions and equally valuable for house culture and pots.

Gracilis

	Tr. pkt.
Red Pearl. Fine red foliage	\$1.50
Pink Pearl. Fine color	1.50
Indian Maid. Scarlet-bronze foliage	1.00
Luminosa. Deep scarlet with reddish brown foliage	1.00
Prima Donna. Fine pink	1.00
White Pearl. Pure white	1.00

BELLIS PERENNIS - Double English Daisy

This popular Double English Daisy is much used for spring and early summer bedding.

Monstrosa Gigantea. Red, Rose, White. Mixed.
Tr. pkt., 25c; 1/4 oz., 75c; 1/2 oz., \$1.50.

CALCEOLARIAS

	Tr. pkt.
Multiflora (Triumph Strain). The average size of the blooms is only 1 1/2 inches, but the amount of flowers produced is unsurpassed	\$1.25

CALENDULA

Calendula are easily grown in a cool house with plenty of air. In fall, leave the ventilators wide open at all times if possible. A midwinter temperature of 45 degrees at night is best. If grown cool in a good soil you will get good hardy plants.

Ball's Gold Improved. Deep golden yellow.

Ball's Lemon Queen. Clear yellow, dark center.

Ball's Masterpiece. Long stemmed orange, dark center.

Ball's Improved Long Orange. Clear orange.

Sensation Improved. Long stems; brilliant orange.

Price of the above: Tr. pkt., 25c; 1/4 oz., 45c; oz., \$1.50.

Orange King. Rich deep orange-red, dark center, medium; fine for pots and bedding. Tr. pkt., 25c; 1/2 oz., 50c.

CALLIOPSIS

	Tr. pkt.	1/4 oz.
Gold Crest. Produces large, semi-double, golden yellow flowers with reddish brown eyes	\$0.15	\$0.25

CAMPANULA MEDIUM - Canterbury Bells

	Tr. pkt.	1/4 oz.
Cup and Saucer. 3 ft.	\$0.20	\$0.45
Dark Blue .....	.20	.45
Light Blue .....	.20	.45
Rose .....	.20	.45
White .....	.20	.45
Choice Mixed. Extra fine .....	.15	.35

CARNATION, GRENADIN

(Perennial)

	Tr. pkt.	1/8 oz.	1/4 oz.
Cardinal-Red	\$0.35	\$0.60	\$1.15
Snow-White .....	.35	.60	1.15
Triumph Deep Pink .....	.35	.60	1.15
Grenadin Mixed .....	.30	.50	1.00

CARNATION, CHABAUD'S GIANT IMPROVED

These Carnations come into bloom five months from time seed is planted and continue to bloom throughout the summer.

	Tr. pkt.	1/8 oz.	1/4 oz.
Mixed	\$0.35	\$0.60	\$1.10



Candytuft, Hyacinth Flowered

CANDYTUFT

	Tr. pkt.	Oz.
Giant Hyacinth Flowered White, Extra Select. This is a very superior strain; it grows about 1 1/2 feet high, with enormous trusses of blooms	\$0.20	\$0.75
..... 1/2 oz., 40c; lb., \$7.50	\$0.20	\$0.75

CANDYTUFT, PERENNIAL - Iberis

	Tr. pkt.	1/4 oz.
Gibraltarica. Lilac, shading to white.....	\$0.25	\$0.50
Sempervirens. White, 1 ft. ....	.40	.95

CANDYTUFT, UMBELLATA

A popular spring cut flower. Sow in January, plant out 8x10 inches.

	Tr. pkt.	Oz.	1/4 lb.
Flesh-Pink	\$0.20	\$0.45	\$1.25
Lavender .....	.20	.45	1.25
Rose-Cardinal .....	.20	.45	1.25
White .....	.20	.45	1.25
Fine Mixed. All varieties .....	.20	.35	1.15

CELOSIA, DWARF

Feather varieties can be lifted to pots or transplanted from open ground when in full flower, much the same as hardy Mums. Fine for pot plants. Tr. pkt. $\frac{1}{8}$ oz.

Dwarf, Fire Feather	\$0.25	\$0.50
Dwarf, Golden Feather .....	.25	.50
Dwarf Feather Mixture .....	.25	.50

CELOSIA, IMPROVED CRISTATA

(Dwarf Cockscomb) For beds, borders and pots.

	Tr. pkt. $\frac{1}{4}$ oz.
Empress. Dark foliage, dark red flowers..	\$0.25 \$0.60
Glasgow Prize. Green foliage .....	.25 .60
Finest Mixed .....	.25 .60

CELOSIA, TALL

The increasing popularity of this showy annual is explained by its ease of growth, making showy mass effects in poor soil and hot climates. Tr. pkt. $\frac{1}{4}$ oz.

Scarlet Plume. 4 ft. Brilliant crimson-scarlet. Fine for cutting	\$0.20	\$0.55
Golden Plume. Tall. Same as above .....	.20	.55
Thompsoni magnifica. 4 ft. Well balanced mixture of all colors .....	.20	.55

CENTAUREA, WHITE-LEAVED

(Dusty Miller) For borders, vases, baskets.

	Tr. pkt. $\frac{1}{4}$ oz.
Candidissima. 6-inch. Silver-gray foliage.	\$0.20 \$0.75
Gymnocarpa. 24-in. Fine, silvery foliage	.15 .25

CENTAUREA CYANUS, DOUBLE

(Cornflower or Bachelor's Button). 3 ft.

Seed of this valuable cut flower can be sown outdoors during September and usually lives outdoors during winter, same as annual Larkspur. Tr. pkt. Oz. Lb.

Blue Boy. Finest blue	\$0.15	\$0.45	\$4.50
Pinkie. Fine deep pink .....	.15	.45	4.50
Red Boy. Deep carmine-rose ...	.15	.45	4.50
Snow Man. White .....	.15	.45	4.50
Double Finest Mixed .....	.15	.35	4.00

CERASTIUM

	Tr. pkt. $\frac{1}{4}$ oz.
Tomentosum (Snow-in-Summer). Silvery white foliage. White flowers. 16 in. ...	\$0.15 \$0.40

CHEIRANTHUS - Wallflower

Golden Bedder. Deep yellow	Tr. pkt. $\frac{1}{2}$ oz.
.....	$\frac{1}{4}$ oz., 25c. \$0.15 \$0.45
Allioni (Siberian Wallflower). Brilliant orange .....	.15 .35

CHRYSANTHEMUM, SHASTA DAISY

(Perennial) Tr. pkt. Oz.

Shasta Alaska. The most popular of all. Very large pure white flowers with small yellow centers. $2\frac{1}{2}$ ft. ... $\frac{1}{4}$ oz., 40c. ...	\$0.25	\$1.00
Double Shasta Alaska. A fine double cut flower variety, about 70% double ....	.50	



Shasta, Alaska

CHRYSANTHEMUM, DOUBLETr. pkt. $\frac{1}{4}$ oz.

Golden Crown. Bright butter-yellow flowers are quilled and come fully double. \$0.25 \$0.60



Cineraria, Cremer's Prize Strain

CINERARIA HYBRIDA

	Tr. pkt.
Cremer's Improved Prize Strain. This excellent strain contains a full range of colors. Very large heads. Plants semi-dwarf habit with small foliage	\$1.50
Siter's Hybrid. Attractive light-eyed strain. Medium large flowers, compact growth with small foliage. Originator's pkts.	5.00

CINERARIA MARITIMA(Foliage Varieties) Tr. pkt. $\frac{1}{4}$ oz.

Diamond. White leaved	\$0.15	\$0.35
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CLARKIA ELEGANS DOUBLE

2 feet. Sow in January, grow on in a flat or shallow raised bed. Must be run dry and not fed during growing season. Tr. pkt. $\frac{1}{4}$ oz.

Finest Mixed	\$0.15	\$0.35
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CLEOME - Spider Plant 4 feet tall.

Pink Queen. A wonderfully attractive and extra large flowered strain of the old Spider Plant. Large heads (6 to 7 in. across) of newly opened luminous rosy pink flowers fading to a clear white as they mature. Tr., pkt., 20c; $\frac{1}{4}$ oz., 45c.

COLEUS

	Tr. pkt.
Large Leaved Hybrids. Seed saved from newest and finest large leaved varieties	\$0.50
Rainbow Mixed. An excellent selection, highly colored .....	.50

COREOPSIS GRANDIFLORA (Perennial)

	Tr. pkt. $\frac{1}{4}$ oz.	1 oz.
Very good cut flower.		
Sunburst (New Gold). A fine semi-double strain	\$0.20	\$0.35 \$0.95
Mayfield Giant. Extra large deep golden yellow. Single .....	.15	.25 .75

COSMOS, SINGLE SENSATION

Very early giant flowered type. Plants grow 4 to 6 feet. Flowers are quite large.

Cardinal. Crimson.

Purity. Pure white.

Pinkie. Light pink.

Sensation Mixed.

Tr. pkt., 15c; ¼ oz., 30c; oz., 95c.

Radiance. Striking deep rose and rich crimson. A fine bicolor. Tr. pkt., 20c; ¼ oz., 35c; oz., \$1.00.

COSMOS

Orange Flare. Height 2½ feet. Orange flowers. The stems are long and wiry, well adapted for cutting. Pkt., 15c; ¼ oz., 30c; oz., 85c.

COSMOS, LATE SINGLE

	Tr. pkt.	Oz.	¼ lb.
Lady Lenox. Pink	\$0.15	\$0.35	\$1.25
Lady Lenox. White .....	.15	.35	1.25
Perfection. Crimson .....	.15	.35	1.25
Mixed. ....	.15	.30	1.00

CUPHEA

Tr. pkt.

Firefly. A very attractive spring pot plant that may be planted out for bedding and border work. Height 12 in. and covered with small bright scarlet flowers throughout the summer..\$0.25

CYCLAMEN GIGANTEUM

Burghard's Colorado Grown

1000

250 seeds of one variety at 1000 rate. Seeds

Baarde's Wonder. Salmon with white border. ..	\$20.00
Bonfire. Brilliant salmon	20.00
Bright Red.	16.00
Dark Blood-Red	16.00
Orange Beauty. Orange-vermilion	20.00
Pure Rose	16.00
Pure White	16.00
Salmon-Scarlet (America Improved)	20.00
Salmon-Rose Improved	20.00
Salmon, Dark (Glory of Wandsbek or Pearl of Zehlendorf)	18.00
Salmon, Light (Rose of Zehlendorf)	18.00



Cyclamen Giganteum

CYNOGLOSSUM - Chinese Forget-Me-Not

Tr. pkt. ¼ oz.

Firmament. A dwarf (15 inches) selection

from the original blue strain; rich blue,

even habit oz., \$1.25..\$0.20 \$0.35

DAHLIA

Seeds sown in March, plants will be in bloom by the end of June. Graceful semi-double flowers in a wide range of colors.

Tr. pkt. ¼ oz.

Unwin's Dwarf Hybrids. Double and semi-

double types. Very even habit, 18

inches, with an attractive bright color

range 1 oz., \$1.75..\$0.35 \$0.50



Perennial Delphinium

DELPHINIUM (Perennial)

Belladonna Type

This much improved strain has larger flowers, well spaced on longer spikes.

Belladonna Improved. Light blue, large flowered and a strong grower. The finest strain of Belladonna on the market. Tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.75; ¼ lb., \$10.00.

Bellamosum Improved. Extra select, dark blue, large flowers, deeper and more uniform color. Tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.75; ¼ lb., \$10.00.

Blackmore and Langdon Hybrids. Shades of blue with contrasting bees. A fine, free-flowering hybrid. Tr. pkt., 50c; ¼ oz., 90c; 1 oz., \$3.00.

Wrexham or Hollyhock Strain. Extra large, tapering spikes. Long blooming period. Tr. pkt., 50c; ¼ oz., \$1.40; 1 oz., \$5.00.

Pacific Giants (Vetterle and Reinelt)

Remarkable new strain developed by Vetterle and Reinelt. Flowers extremely well formed.

Black Knight Series. The darkest of them all. Individual flowers of beautiful round form.

Blue Bird. A clear medium blue with huge tall spikes.

Bluejay Series. The color is striking, clear medium to dark blue.

Cameliard Series. This is a pure lavender self, with white bee.

Galahad Series. Finest white of enormous size.

Guinevere. Light pink lavender self with white bee.

King Arthur. Brilliant royal velvet with large white bee.

Percival Series. White, black bee.

Summer Skies. Clearest light blue with white bee.

Round Table Series. Finest mixed.

Prices of Above Varieties:

Tr. pkt., \$1.00; ½ oz., \$2.00; ¼ oz., \$3.50; oz., \$12.50.

DIDISCUS

Coeruleus. Blue Lace Flower Tr. pkt. \$0.25

DRACAENA

Indivisa. Narrow green leaves. The popular kind for bedding or vases. Tr. pkt., 20c; oz., 60c.

DIANTHUS - Pinks (Annual)

	Tr. pkt.	¼ oz.	Oz.
Chinensis, Double. Choice Mixed.	\$0.15	\$0.25	\$0.90
Chinensis, Single. Choice mixed.	.15	.25	.90
Fireball. Double dark scarlet ....	.20	.35	1.25
Heddewigi, Double. Choice mixed	.15	.25	.90
Heddewigi, Single. Choice mixed.	.15	.25	.90
Sweet Wivelsfield. The plants grow 12 inches high, showy blooms of pink and crimson ...	.25	.35	1.25
Westwood Beauty. A new single red Dianthus with long stems..	.20	.35	1.25
Dianthus barbatus. See Sweet William, page 24.			

DIANTHUS (Perennial)

Dianthus Plumarius - Grass or Clove Pinks

	Tr. pkt.	⅛ oz.	¼ oz.
Cyclops, Single Perpetual. Various colors, red eye	\$0.25	\$0.40	\$0.75
Spring Beauty. Double giant-flowered Carnation-like in form and with a beautiful color .....	.30	.40	.75
Plumarius Single. Single mixed ..	.20	.35	.60
Plumarius Double. Double mixed	.23	.35	.60

Dianthus - Pinks for Rock Garden

	Tr. pkt.	⅛ oz.	¼ oz.
Allwoodi alpinus. Flowers first year from seed. 4 to 6 inches high; mixed colors	\$0.40	\$0.75	
Caesius (Cheddar Pink). A dwarf tufted variety. Rose-pink .....	.20	.35	.85
Deltoides Brilliant. Rich rose-pink.	.25	.50	.90
Rock Garden Rare Species Mixed	.25	.50	.80

DIGITALIS - Foxglove

(Perennial) Tr. pkt. ¼ oz.
Giant Shirley Mixed. A greatly improved strain of unusually strong, vigorous growth. Enormous spikes 3 to 5 feet in length set with very large flowers \$0.20 \$0.65

ESCHSCHOLTZIA
California Poppy

	Tr. pkt.	Oz.
Hybrida Mixture	\$0.15	\$0.75

FEVERFEW - Matricaria

(Perennial) Fine for Cut Flowers
Ball's Double White. Extra. Tr. pkt., 35c; ⅛ oz., \$1.00; ¼ oz., \$1.75.
Dwarf Double Golden Ball. Tr. pkt., 25c; ⅛ oz., 50c.

FOUR O'CLOCK

	Pkt.	Oz.
Marvel of Peru, Mixed	\$0.10	\$0.40

FORGET-ME-NOT - Myosotis
(Biennial)

	Tr. pkt.	⅛ oz.
Royal Blue (Indigo blue). 12 in.	\$0.35	\$0.60
Blue Eyes. Bright blue with white eye ..	.35	.60
Oblongata, Blue Bird. Large deep blue flowers 3 to 4 months after sowing; height 1 ft. ....	.35	.50



Sweet Wivelsfield

GAILLARDIA GRANDIFLORA
(Perennial)

	Tr. pkt.	Oz.
Burgundy. Self-colored wine-red, 2½ in. in diameter, on long stiff stems, from June until fall	¼ oz., 60c..	\$0.30 \$1.75
Dazzler. Large flowers, bright golden yellow, with rich maroon-red center. 3 ft.	¼ oz., 60c..	.30 1.75
Goblin. Very compact globular plants, red and yellow bi-color	¼ oz., 60c..	.30 1.75
Portola Hybrids. The flowers are very large, of great substance. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2½ to 3 ft.	¼ oz., 45c..	.25 1.50

GAILLARDIA PICTA
(Annual)

	Tr. pkt.	Oz.
Lorenziana Double Choice Mixed	¼ oz., 35c..	\$0.20 \$1.25

GEUM (Perennial)

Lady Stratheden. Double golden yellow.	Tr. pkt., 35c; ¼ oz., 75c.
Mrs. Bradshaw. Double fiery orange-red.	Tr. pkt., 35c; ¼ oz., 75c.

GOURDS, ORNAMENTAL

Decorative Varieties, Mixed. ¼ oz., 15c; oz., 50c.

GOMPHRENA - Globe Amaranth

An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates.
Rubra. 30 in. Magenta-purple. A bright deep shade.
Mixture of colors.
Prices on the above variety and mixture, each:
Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

GREVILLEA

Robusta (Australian Silk Oak). Popular for specimen or combination work. Tr. pkt., 35c; ¼ oz., 50c.

GYPSOPHILA ELEGANS

These are always in demand for mixing with other cut flowers.

Covent Garden Market Reselected. 2 ft. An improved giant pure white. Tr. pkt., 15c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.25.

Grandiflora Alba, London Market. The largest flowered pure white Gypsophila. Tr. pkt., 15c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.25.

Elegans Carmine. Same habit as others, but with bright carmine-pink flowers. Rather small flowered. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

GYPSOPHILA - Baby's Breath (Perennial)

Pacifica. Pink variety of strong growth blooming later than Paniculata. 4 ft. Tr. pkt., 30c; ½ oz., 50c.

Paniculata. Small, white flowers about 50 per cent double. An excellent strain for drying. Tr. pkt., 35c; ½ oz., 65c.

Repens, White. Dwarf trailer with masses of small white flowers. 6 inches. Tr. pkt., 30c; ½ oz., 50c.

HELICHRYSUM

The popular double Strawflower.
Choice Mixed. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., 90c.

HEUCHERA - Coralbells (Perennial)

Sanguinea. 24 in. Crimson. An attractive garden plant with some value for cutting. Tr. pkt., 50c.

HOLLYHOCKS (Perennial)

Triumph. Double mixed. Flowers waved and fringed. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.50.

CHATER'S DOUBLE

Scarlet	Newport Pink
Deep Rose	White
Maroon	Mixed
Yellow	

Each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

HOLLYHOCKS (Annual)

Indian Spring. Starts to bloom 5 months from seed sowing and continues until frost. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

HUNNEMANNIA

Sunlight. Semi-double. Tr. pkt., 20c; ¼ oz., 40c.

IMPATIENS

Provide splendid pot plants. Also useful for porch boxes. Will succeed in partial shade. Tr. pkt.

Sultana Hybrids, Mixed\$0.50

Sultana Carmine50

Ipomoea See Morning Glory, page 18.

ANNUAL LARKSPUR NEW SUPREME LARKSPUR The Ideal Cut Flower Strain

This is by far the most desirable and florist's favorite because of its especially clear colors, uniform in height, and long well-filled flowering spikes, closely covered with fully double flowers and large individual florets.

Dark Blue Supreme. Here is a truly fine rich violet-purple.

Lilac Supreme. A pleasing shade of clear lilac.

Pink Supreme. It is a clear rose-pink.

Rose Supreme. A clear, pure deep rose.

Salmon Supreme. A true shade of real salmon.

White Supreme. A real white Larkspur; gigantic, broad-petalled flowers.

Supreme Mixture.

Prices of the above varieties:

Trade pkt., 35c; ½ oz., 60c; 1 oz., \$1.10; ¼ lb., \$3.75; lb., \$14.00.

LARKSPUR

Imperial or Base Branching

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plant. For indoor forcing, also good outdoors.

Blue Bell. Azure-blue.

Blue Spire. Very deep violet-blue.

Lilac King. Rich lilac, fully double.

Lilac Spire. Lilac.

Los Angeles Improved. Fine pink on salmon.

Pink Perfection. Light salmon-pink.

Rose King. Rich rose.

White King. Immense spikes, pure white.

Extra Choice Mixed.

Prices above varieties: Tr. pkt., 25c; oz., 85c; ¼ lb., \$3.00; lb., \$10.50.



Annual Larkspur

LARKSPUR (Continued)

LARKSPUR REGAL STRAIN (New)

Tremendously long spikes of huge, well spaced florets distinguish this new strain of florist's market Larkspur from all others. It retains the desirable height and basal branching habit of the Giant Imperials, but has Delphinium-like florets on long, thick spikes. Vigorous and early.

Regal Dark Blue. Very deep violet-blue.
Regal Pink. Brilliant pink on salmon.
Regal Rose. Rich florist's rose.
Regal White. Pure white.
Regal finest mixed.

Tr. pkt., 50c; oz., \$1.50; ¼ lb., \$5.50; lb., \$20.00.

LARKSPUR
TALL BRANCHING DOUBLE
STOCK-FLOWERED

The tall double stock-flowered are best suited for outdoor planting. Seed sown latter part of September usually winters over well in our latitude.

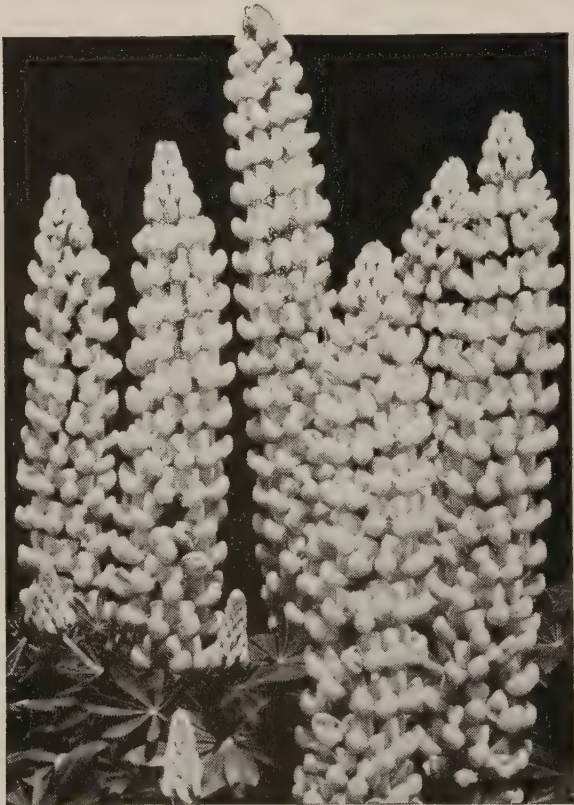
Dark Blue. Fine dark blue. Lilac Improved.
Empress Rose. Select rose. Rosamond. Rose-pink.
La France. Salmon-pink. White. Pure white.
Los Angeles. Salmon-rose. Mixed. Best mixed.

Tr. pkt., 20c; oz., 70c; ¼ lb., \$2.50; lb., \$9.00.

LINUM - Flax (Perennial)

Perenne (Blue Flax). Pale blue, round-shaped flowers on slender stems, height 18 inches. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Grandiflorum Rubrum (Crimson Flax). 2 ft. Brilliantly colored summer annuals, glowing crimson-rose. May be had in bloom from May to October by successive sowings. Tr. pkt., 15c; ¼ oz., 25c.



Lupinus Polyphyllus
Russell Mixture



Regal Larkspur

LOBELIA

	Tr. pkt.	1/8 oz.
Crystal Palace Compacta. 4 inches, ultra-marine-blue. The best for edging; dark foliage	\$0.25	\$0.50
Emperor William. Deep blue with light green foliage .....	.25	.50
Mrs. Clibran. Deep blue, white eye, dark foliage .....	.25	.60
Sapphire. For hanging baskets, large, deep navy-blue with white eye .....	.25	.60

LOBELIA, PERENNIAL

	Tr. pkt.	1/4 oz.
Cardinalis. Deep cardinal-red spike. August flowering	\$0.35	\$0.75

LUPINUS (Annual Lupines)

The annual varieties are popular cut flowers and excellent for forcing.	Tr. pkt.	Oz.	1/4 lb.
Hartwegii Giant, King Blue	\$0.20	\$0.75	\$2.50
Hartwegii Giant, King White ...	.20	.75	2.50
Hartwegii Giant, Sky-Blue .....	.20	.75	2.50
Hartwegii. Mixed Colors .....	.20	.50	1.75

LUPINUS - Polyphyllus (Hardy Lupine)

Fine for cutting. Requires a well-drained location and thrives best in cool climate.	Tr. pkt.	1/4 oz.	Oz.
Dark Blue	\$0.20	\$0.40	\$1.25
Rose .....	.25	.50	
Harkness Regal Mixture. The standard fine hybrid mixture ..	.20	.40	1.25
Russell Strain. Unusually long closely set flower spikes and the widest range of attractive colors	.30	.50	1.75

LYCHNIS

(Perennial)

	Tr. pkt.	1/4 oz.
Chalcedonica. Fine scarlet flowers. 2 ft. ..	\$0.25	\$0.50

MARIGOLD - Tagetes

Tall African, Double Fistulosa 3 Feet

An especially fine tall branching strain, bearing enormous flowers of the quilled type; valuable for cutting.

Orange All-Double. A strain of African Marigold which has come about 95% double. A superior strain for cutting. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75.

All-Double Lemon. Same trueness to double type as All-Double Orange. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75.

Burpee Gold. An odorless Guinea Gold, same deep golden orange color but considerably earlier. Fine for a spring greenhouse crop or for outdoor cutting if not too hot. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.60

All-Double Mixture. Mixture of above All-Double varieties. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Mission Giants

Goldsmith. The best version of the Chrysanthemum-flowered Marigold. Globular flower with incurved petals, borne on long base branching stems. 3 ft. tall. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85.

Mission Giant Yellowstone. Bright, rich, clear, yellow counterpart to Goldsmith, with large 2½ inch flowers on luxurious, large plants. Flowers are of double, incurved, Chrysanthemum-like form. Uniformly 3 to 5 feet tall. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85.

Sunset Giants. This is a mixture ranging from deep orange through golden orange. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

MARIGOLD

Large Flowered Odorless Mixed

This is a pleasing blend of autumn colors made from Carnation and Chrysanthemum-flowered varieties. This is an ideal blend for the gardener or housewife who objects to the odor of the regular strains. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

African, Double Carnation-Flowered

2½ Feet

This new type produces practically 100 per cent double plants. The loose, informal flowers are fluffy in appearance and very popular for cutting.

Crown of Gold. New collarette type. Color golden orange. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

Guinea Gold. Attractive deep golden orange flowers, 2 to 3 in., and very freely produced; fine for cutting. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Yellow Supreme. Bright lemon-yellow, loose petaled flower. Not quite as long stemmed as Guinea Gold. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.65.

Double Carnation-Flowered Mixed. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.40.

Tall French, Winter Flowering

Grow in Carnation house temperature.

Tr. pkt. ¼ oz.

Lieb's Winter Flowering. Mahogany-brown with golden yellow crested center \$0.20 \$0.35

Winter Harmony. Bright orange crest with reddish guard petals20 35



Marigold, Mission Giant Goldsmith

Dwarf French Double

Butter Ball. Most attractive, very compact, Scabious-flowered, canary-yellow. Only 6 to 10 inches tall, uniform, very early. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Golden Ball. The color is a glowing golden yellow. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Lemon Ball. A lemon-yellow, fine for pot combinations. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Spotlight. 12 to 14 inches high. Very compact. Color a brilliant yellow shade with striking velvety dark mahogany-red guard petals. Tr. pkt., 20c; ¼ oz., 40c.

"Melody". Growing 12 to 15 inches high, and literally covered with golden yellow, Harmony type flowers. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

Harmony Hybrids. Compact habit combined with early free flowering character makes this an outstanding introduction. Orange and yellow shades with blotched and striped combinations. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

Improved Harmony. Medium size Scabious-like double flowers. Deep orange center with maroon-red outer petals. 14 to 18 in. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

Spry. Dwarf, compact plants about 9 inches high and spreads 15 inches, having a bright yellow center with several rows of mahogany-red guard petals. Early flowering. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.50.

Sunkist. (New). A bright golden orange. All-America winner 1943. Typical Harmony flowers with crested centers. Uniformly dwarf. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.50.

Orbit. Color deep golden yellow background reddish brown guard petals. Fine for bedding and border. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.50.

Yellow Pigmy. Lemon-yellow. 8 in. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Dwarf French Double Mixed. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Dwarf French Single 1 Foot

Tr. pkt. ¼ oz. Oz.

Legion of Honor (Little Brownie.) \$0.20 \$0.40 \$1.25

Tagetes signata pumila. Very dwarf orange20 .40 1.25

MATRICARIA - Feverfew

(Perennial) Fine for Cut Flowers

	Tr. pkt.	1/8 oz.	1/4 oz.
Ball's Double White. Extra	\$0.35	\$1.00	\$1.75
Dwarf Double Golden Ball . . . . .	.25	.50	

MIGNONETTE - Reseda Odorata

	Tr. pkt.	1/4 oz.
Machet, Golden Goliath. True gold color	\$0.15	\$0.40
Machet Giant Flowering Selected15	.40
Machet Rubin. Coppery scarlet15	.25

MIMOSA - Sensitive Plant

Pudica25
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MIMULUS

Moschatus (Musk Plant)35
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MORNING GLORY - Ipomoea

	Tr. pkt.	Oz.
Clarke's Heavenly Blue. A beautiful shade of belladonna-blue flowers	\$0.20	\$0.75
Scarlett O'Hara. Rich dark wine-red or deep crimson . . . . .	.20	1.00
Pearly Gates. Large flowered pure white. . . . .	.20	1.00
Blue Star. An entirely new color in Giant Morning Glories, a distinct shade of clear sky-blue accentuated by the five deeper blue midribs to form an attractive star, a truly outstanding and most attractive shade. Tr. pkt., 20c; 1/4 oz., 35c; 1/2 oz., 65c; oz., \$1.00.		



Morning Glory—Clarke's Heavenly Blue

MOONFLOWER

	Oz.	1/4 lb.
Noctiflora. Large white	\$0.30	\$0.90

MYOSOTIS

See Forget-Me-Not, page 14.

NASTURTIUM, DOUBLE

Double Scarlet Gleam. Dazzling fiery orange-scarlet.
 Double Golden Gleam. Especially adapted for window box culture.
 Glorious Gleam Hybrids Finest Mixed.
 Each: 1/2 oz., 15c; 1 oz., 25c; 1/4 lb., 75c.

NEMOPHILA

Insignis. Blue. Baby Blue Eyes. Tr. pkt., 20c; 1/4 oz., 35c.	
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NICOTIANA - Flowering Tobacco

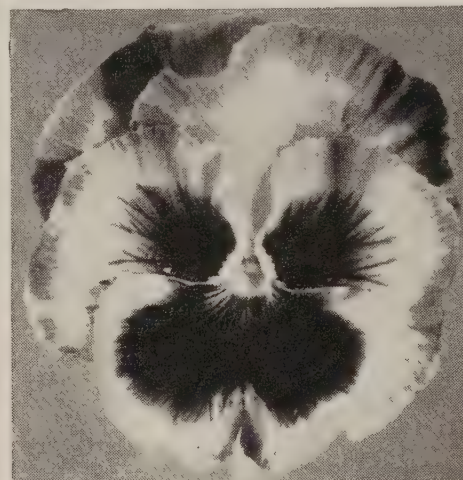
Crimson Bedder. 15 in. Makes a very compact growth and very free flowering. Deep crimson-red. Tr. pkt., 25c; 1/4 oz., 50c.

White. 36 in. Tall and large flowered. Tr. pkt., 15c; 1/4 oz., 35c.

Nicotiana Hybrids, Mixed. Tr. pkt., 25c; 1/4 oz., 40c.

NIEREMBERGIA

Purple Robe. A fine dwarf deep violet-blue, blooms in 15 weeks from seed \$0.50
 Hippomanica. An attractive lavender-blue, suitable for outdoor bedding. 6 to 8 in.50



Giant Pansies

GIANT PANSIES

Steele's Jumbo Mixed. This superb strain Pansies is of largest size, richest and most vivid colors. Most desirable for cutting; ideal for selling in baskets.

Tr. pkt., \$1.00; 1/8 oz., \$3.00; 1/4 oz., \$5.00; 1/2 oz., \$8.50; 1 oz., \$16.00; 2 ozs., \$30.00.

Steele's Butterfly Hybrids. A select new ruffled Pansy. Fine color selections mixed.

Tr. pkt., (600 seeds), \$1.75; 1/16 oz., \$3.00; 1/8 oz., \$5.00.

Super Swiss Giants Mixed. Grand in size, form, color and substance; blotched and beautifully marked. Plants low and compact. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.50; oz., \$9.00.

Masterpiece Mixed. An extremely bright mixture, early flowering and dwarf, with a good variety of colors. Tr. pkt., 50c; 1/4 oz., \$1.80; 1/2 oz., \$3.25; oz., \$6.00.

SWISS GIANT—SEPARATE COLORS

	Tr. pkt.	1/8 oz.	1/4 Oz.
Alpenglow. Rich garnet shades . .	\$0.50	\$1.75	\$3.00
Berna. Dark velvety violet-blue . .	.50	1.75	3.00
Coronation Gold. Large golden yellow . . . . .	.50	1.75	3.00
Fireglow. Glowing bronze . . . . .	.50	1.75	3.00
Jumbo "Pay Dirt." New largest golden yellow ever produced. Flowers have dark rays or tiny faces	1.00	2.00	3.50
Raspberry Rose. Beautiful new color best described by its name.	1.00	2.00	3.50
Ullswater (Lake of Thun). Marine-blue . . . . .	.50	1.75	3.00
White. Pure white . . . . .	.50	1.75	3.00

SELECTED PETUNIAS

Our Petunia seeds are of the finest quality, grown by the best growers in California and Japan from selected plants, and are hand pollenized; no matter how careful the selection, you sometimes will find a few plants which revert to the old type; these usually bloom first. This is a natural habit of Petunias. No pot plant is more profitable or satisfactory than a fine pot plant of Petunias.

DOUBLE PETUNIAS

All-Double Dwarf (Victorious) Fringed

Again available will be the popular World Beauty Improved, Blue Brocade, Snowball, with other popular varieties, plus many new colors and color combinations. That these will be welcomed back by florists is beyond question, as there is no finer pot plant for Easter, Mother's Day and spring planting.

Blue Brocade. Profuse bloomer of true violet-blue. The fringed flowers 3½ to 4 inches across are borne on stocky plants 10 inches in height.

Pure White (Snowball). Same dwarf uniform habit of rosy carmine with large, well fringed flowers of the purest white. A fine Mother's Day pot plant.

Rosy Carmine Improved (World Beauty or Pink Perfection). Uniformity of growth and a brighter rose color will increase the popularity of this variety more than ever. What could be better than a plant of 8 to 10 blooms with this appealing color, fringing and doubleness to attract pot plant sales.

Silver Blue. Now available to the trade, a clear blue without marked venation formerly in this color. The flowers are large and well fringed.

All-Double Dwarf Giant Fringed Mixed (Victorious). The flowers are very large, exquisitely ruffled and fringed. Our mixture contains a very large per cent of separate colors, thereby giving you a better balanced color range than has been ever offered.

Each of the above:
½ Tr. pkt., \$2.00; Tr. pkt., \$3.50.



Double Petunia, Blue Brocade

SINGLE PETUNIAS
Dwarf Giants of California

A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats. This dwarf class makes particularly fine 3 and 4-inch pot plants for spring business. Seed for this purpose should be sown in January.

Dwarf Giants of California Select Mixed. This is the best strain of giant-flowered Petunias in existence for pot culture and bedding. The plants are bushy, grow about 12 inches high and produce their immense flowers freely and in a wonderful variety of colors. ½ tr. pkt., 75c; tr. pkt., \$1.25; 1/64 oz., \$2.50; 1/32 oz., \$4.50; 1/16 oz., \$8.00.

Dwarf Giants of California, Ramona Strain, Dark and Light Shades. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open, well marked throats. ½ tr. pkt., 60c; tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.20.

Large-Flowering Ruffled Grandiflora

Generally more robust than the fringed and larger flowered—excellent for bedding. Flowers 3 to 4 inches in width. Height, 12 inches. Tr.pkt. 1/32 oz.

Elk's Pride. Largest and best velvety purple	\$0.50	\$2.00
Flaming Velvet. Velvety blood-red .....	.50	2.00
Pink Triumph, Clear rose-pink .....	.50	2.00
Purple Prince. Velvety purple with attractively fringed petals. A fine variety ...	.50	2.00
Snow Storm Improved. A fine white, dwarf, compact excellent variety .....	.75	3.00
Theodosia Improved. Largest rose-pink with golden throat, fringed .....	.50	2.50
White Cloud. An effective all purpose dwarf white with nicely ruffled flowers. Particularly well liked for pot work ..	.50	2.50
Fringed. Choice mixed .....	.50	1.75
Ruffled Monsters Exquisite Mixed .....	.50	1.75



Dwarf California Giants

SELECTED PETUNIAS—(Continued)**Compact Dwarf Bedding**

Fine for pot sales, garden borders and bedding.

Admiral. Most attractive dwarf blue bedding Petunia. Flowers are ruffled, adding greatly to their distinctiveness. Tr. pkt., 50c; 1/32 oz., \$2.00.

Celestial Rose Re-selected. Definitely superior to the regular Celestial Rose, slightly dwarfer in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.85.



Celestial Rose Re-selected

English Violet. A pleasing shade of rosy violet-mauve, with the same vigorous type of growth as Celestial Rose. Tr. pkt., 35c; 1/8 oz., 75c.

Glowing Rose. The intense brilliance of this new low growing Petunia makes it the most conspicuous of all the single bedding Petunias. The plants are mound-shaped and of unusual uniformity, completely covered with glowing rose flowers. Tr. pkt., 50c; 1/16 oz., \$1.00; 1/8 oz., \$1.50.

Glow. Bright rose-red, with lighter throat. Dwarf, compact ball-shaped. Very free flowering and true to type. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

King Henry. Large flowers of a rich velvety blood-red color. Very free flowering. Dwarf compact habit. Tr. pkt., 50c; 1/32 oz., \$1.25.

Rose of Heaven Improved. The best strain on the market for borders and bedding. Perfectly uniform, fine rose-pink color; dwarf habit. Tr. pkt., 25c; 1/8 oz., 65c; 1/4 oz., \$1.00.

Rosy Morn Improved. Differs from the original in that the rose coloring is stronger and deeper and habit some stronger. Quite uniform and distinct in every way. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 85c.

Salmon Supreme. Dwarf light salmon-rose. An attractive and rather striking color. Tr. pkt., 50c; 1/16 oz., \$1.00.

Silver Blue (Heavenly Blue.) Reselected rich light blue, compact habit and truer than most strains. Tr. pkt., 30c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Topaz Queen. A remarkable color combination of glowing carmine-rose with distinct orange-scarlet overtone. Tr. pkt., 25c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Snow Queen. Our finest pure white bedding Petunia. Its strong spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 25c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Velvet Ball. Dwarf compact plants with velvety blood-red blooms. Tr. pkt., 50c; 1/32 oz., \$1.25.

Violacea. Deep violet, dwarf, with a bright blue cast. A new color in the nana compacta type. Tr. pkt., 25c; 1/8 oz., 75c; 1/4 oz., \$1.25.

Nana compacta Mixed. A well balanced mixture. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 85c; oz., \$3.00.



Petunia Nana Compacta, Fire Chief

Fire Chief. New. A brilliant scarlet-red, an entirely new color in this class. First Gold Medal winner in 11 years and the only A.A.S. flower winner for 1950. Awarded more points than any other A.A.S. winner in any year. Plants dwarf and compact with long blooming season. Tr. pkt., 75c; 1/32 oz., \$1.50; 1/16 oz., \$2.50; 1/8 oz., \$4.50.

LARGE-FLOWERING DWARF FRINGED **SINGLE DWARF FRINGED - 10-inch**

For neat compact growth and richly fringed flowers, this class is most valuable for use as pot plants. Also highly attractive for bedding. Tr. pkt. 1/64 oz.

Elk's Pride Dwarf. Extra dwarf with large single fringed flowers of velvety violet. \$0.50 1.50

Lace Veil. Pure white, large flowers, free flowering50 1.50

Setting Sun. Brilliant deep rose, dark throats, very free flowering50 1.50

Dwarf Fringed Mixed50 1.25



Petunia, Dwarf Fringed

SELECTED PETUNIAS—Continued



Petunia, Ruffled Garden Giants

Petunia Hybrida, Bedding

This class is of vigorous growth and for this reason is suited to outdoor bedding where summers are most trying.

Blue Bee. Blue of Jersey Gem Viola. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 75c.

Flaming Velvet. Rich brilliant velvety blood-red or crimson flower. Tr. pkt., 35c; 1/8 oz., 60c; 1/4 oz., \$1.00.

General Dodd. This is a velvety blood-red, but differs in the growth. In height this does not exceed 10 inches. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 90c.

Howard's Star Improved. Medium tall velvety purple with white star. Highly attractive and popular for bedding. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

White King. Pure white. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Radiance. A very brilliant and rich rose or cerise color, veined yellowish throat. Blooms very early and profusely, of uniform height and branching nicely. Tr. pkt., 30c; 1/8 oz., 70c; 1/4 oz., \$1.25.

Rose King Improved. Large flowered, rich rose. Tr. pkt., 30c; 1/8 oz., 60c; 1/4 oz., \$1.00.

Topaz Rose. Brilliant deep carmine-rose; about same color as Topaz Queen. Tr. pkt., 30c; 1/4 oz., 75c.

Violacea. Rich violet, compact and dwarf. The finest dwarf violet. Tr. pkt., 25c; 1/8 oz., 50c; 1/4 oz., 75c.

Choice Bedding Mixed. A very choice mixture which contains a splendid blend of color. Tr. pkt., 25c; 1/4 oz., 75c; oz., \$2.50.

PENTSTEMON, BEARD TONGUE

(Perennial)

Large bell-shaped flowers; blooms June to August; fine for the flower border and for cutting; can be forced in a cool greenhouse. Tr. pkt.

Sensation. The most brilliant and varied colors; many of them are beautifully edged with a fine contrasting color. 2 ft. \$0.25

DWARF RUFFLED GIANTS

Martha Washington. Delicate rose, center veined rich wine-red, ruffled 3 in. blooms. Tr. pkt., 50c; 1/32 oz., \$1.25; 1/16 oz., \$2.25.

Dwarf Ruffled Little Giants Mixed. This type has medium sized, well ruffled and fringed flowers grown on compact plants, 8 to 10 inches tall. An excellent pot item for florists or can be grown for bedding plants. Tr. pkt., 75c; 1/32 oz., \$2.00.

Dwarf Ruffled Garden Giants. The outstanding feature of this new variety is its satisfactory plant growth. The plants uniformly develop into well rounded mounds 12 to 15 inches high. They start flowering when extremely small and continue their gorgeous display all through the summer. The mixture includes a wide variety of bright color combinations. Tr. pkt., \$1.00; 1/32 oz., \$2.50.

Petunia, Balcony Pendula

Highly suitable for window boxes. Tr. pkt. 1/8 oz.

Cornflower Blue. A violet-blue	\$0.25	\$0.75
Black Prince. Deep rich velvety crimson .....	.25	.75
Rose. Fiery rose, select strain .....	.25	.75
Star of California. Violet, white star ....	.25	.85
Violacea. Fairly dwarf deep purple .....	.25	.75
White. Pure white .....	.25	.75
Balcony Mixed .....	.25	.65



Phlox Drummondii—Gigantea Art Shades

PHLOX**Drummondii Gigantea**

A strain of Phlox Drummondii with flowers an inch and a quarter to an inch and a half in diameter. It has a most wonderful range of color.

Red Glory. A bright scarlet-red with large contrasting white eye.

Rosy Morn. A particularly bright, clear rose-pink.

Salmon Glory. Pure salmon-pink with creamy white eye.

Art Shades Mixture. Large flowered mixture of pastel shades with white eyes.

Tr. pkt., 35c; 1/8 oz., 50c; 1/4 oz., 90c; oz., \$3.50.

Drummondii Nana Compacta

Dwarf type for growing in pots or bedding.

Butterball, cream; **Fireball,** scarlet; **Salmon Ball,** pink; **Snowball,** white. Tr. pkt., 35c; 1/8 oz., 50c; 1/4 oz., 90c; oz., \$3.50.

Dwarf Fine Mixed. Tr. pkt., 35c; 1/4 oz., 90c; oz., \$3.25.

PLATYCODON Tr. pkt. 1/4 oz.

Grandiflorum. Large steel-blue flowers ..\$0.30 \$0.75

POPPIES

Poppy, Iceland (Nudicaule)

Tr. pkt. 1/4 oz.

El Monte. Deep tangerine-orange. 2 ft. ..\$0.35 \$0.75

Empress. The colors range through love-ly shades of salmon-rose and creamy pink35 .75

PAPAVER ORIENTALE - Oriental Poppy

The named varieties of Oriental Poppies do not come entirely true from seed. Tr. pkt. 1/4 oz.

Brilliant. Brilliant fiery red; 40 in.\$0.35 \$0.75

Beauty of Livermere. Dark oxblood35 .85

Mixture of All Colors25 .60

POPPIES Annual

Cut newly opened flowers either early in the morn-ing or in the late evening and immediately (within five minutes of cutting) burn the ends of the stems at the gas range or electric range for a depth of two inches. Then put them in fresh water. Tr. pkt. Oz.

Shirley Finest Single Mixed\$0.15 \$0.60

American Legion. Single orange-scarlet .. .15 .60

PORTULACA - Moss Rose

A very excellent plant for dwarf bedding or border work. Very easily grown. Tr. pkt. 1/4 oz. Oz.

Grandiflora Double Mixed\$0.25 \$0.75 \$2.25

Grandiflora Single Mixed25 .50 1.50

PRIMULA MALACOIDES

NEW GIANT SINGLE (BODGER'S)

Tr. Pkt.

Enchantress. Single salmon-rose\$1.50

Lavender Glory. Single soft mauve-lavender 1.00

Snowflake. Single pure white 1.00

Sweetheart. New distinct bicolor. Bright salmon-pink bordered with wide band of white softly flushed flesh-pink 1.50

New Giant Malacoides Mixture 1.00



Primula Giant Malacoides, Snowflake

PRIMULA OBCONICA Tr. pkt.

Fasbender's Red. Extra large deep crimson\$1.00

Mueller Atrosanguinea. Lighter shade 1.00

PYRETHRUM (Perennial)

One of the really good hardy perennials, valuable alike for cutting or planting in the hardy border. Tr. pkt. 1/8 oz.

Robinson's Giant Hybrid Red. Fine for cutting 1/4 oz., \$1.25..\$0.40 \$0.75

Semi-Double Mixture. Excellent 1/4 oz., \$1.25.. .40 .75

Hybridum, Single. Large flowering. Mix-ed 1/4 oz., \$1.00.. .35 .60

RICINUS - Castor Oil Plant

Tr. pkt. Oz. 1/4 lb.

Crimson Spire. 8 ft. Crimson stems and foliage\$0.15 \$0.35 \$0.90

Zanzibariensis, Mixed10 .25 .75



Salvia

SALVIA SPLENDENS

We fully realize the importance of Salvias to florists and are careful to arrange for our stock with an Amer-ican specialist who supplies only fine plump seed. Tr. pkt. 1/4 oz. Oz.

America (Globe of Fire). Plants grow about 18 inches high ...\$0.40 \$1.25 \$4.50

Blaze of Fire. The earliest and most dwarf red strain available. About 12 inches high60 1.75 6.00

Clara Bedman (Bonfire.) Erect habit—the old standby. 18 in. .40 1.15 4.25

Harbinger (Firebrand.) Northern grown seed. Of uniform type, about 15 inches high; free and early flowering50 1.25 4.50

Rose Flame. A fine, new, rich coral-pink. Will bloom in 3 months from seed. Height 2 ft. .60 1.75

Rocket. 14 in. Early flowering .. .50 1.25 4.50

Farinacea (Blue Bedder). 36 in. Perennial but best known as an annual. Deep blue flowers35 .95 3.00

SALPIGLOSSIS

Some very attractive colors for summer cutting and spring flowering under glass.

Tr. pkt. ¼ oz.
Emperor. Extra choice large flowering mixture\$0.20 \$0.45
Light Blue and Gold Improved.20 .45

SAPONARIA

Tr. pkt. ¼ oz.
12 in. Trailing Rose; hardy rock plant ..\$0.25 \$0.65



Scabiosa, Blue Moon

SCABIOSA

Choice long-stemmed annuals for summer cutting.

Tr. pkt. Oz.
Blue Cockade. Deep azure-blue\$0.20 \$0.75
Blue Moon. Rich deep lavender-blue25 1.25
Loveliness. Salmon-rose20 .75
Shasta White20 .75
Giant Hybrids Mixed20 .75

Scabiosa (Perennial)

Excellent perennial cut flower material. Larger flowered than the popular annual form, perfectly hardy, and early flowering. Seed germination sometimes slow and irregular.

Tr. pkt. ¼ oz.
Caucasica, House Hybrids. Lavender and blue shades\$0.50 \$1.15
Columbaria, Lavender. Delicate color35 .75
Choice Mixed35 .75

SCHIZANTHUS

(Butterfly Flower)

Tr. pkt.
Giant Flowering Hybrids. Select large flowered hothouse strain\$0.35
Compactus, Mixed. The plants grow dwarf and compact35

SHAMROCK

True Irish Shamrock. Sow Jan. 1st; Patrick's Day plants; use 3 or 4 seedlings per pot. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.20.

SOLANUM - Jerusalem Cherry

Tr. pkt. ¼ oz.
Hlavacek's Masterpiece. A compact type, red\$0.35 \$0.95
Capsicastrum Nanum. Small red fruit35
Cleveland Cherry25 .75

STATICE, PERENNIAL

Tr. pkt. ¼ oz. Oz.
Caspia. Perennial. Large lilac ...\$0.35 \$0.75 \$2.50
Dumosa. Clear silvery white25 .60 2.00
Latifolia. Small purplish blue25 .50 1.50

STATICE SINUATA

The seed of annual Statice is of irregular germination.

Bonduelli. Similar to Sinuata. Yellow.

Kampf's Tall Improved. Extra long-stemmed, deep blue. the best blue.

Lavender Queen. The flowers are a beautiful clear bright lavender.

Rosea Superba.

Hybrid Mixture. A mixture of the above colors.

The above: Tr. pkt., 20c; ½ oz., 30c; oz., 50c.



Statice

STOCKS

NON-BRANCHING COLUMN

Immensely fully double close-spaced flowers, one 2 to 2½ ft. spike per plant. This strictly non-branching strain is in very great demand by florists.

American Beauty. American-Beauty-rose.

No. 16 Ball White Improved. Finest early white, with extra large florets.

Ball Supreme. Rich silvery rose.

Ball's White. Sometimes tinged blush.

Blue. Rather deep lilac. Fine color.

Chamois-Pink. Apricot or chamois-pink.

Lilac-Lavender. Clear, bright lavender.

Rose-Pink. This is the popular clear rose.

Ruby. Rich crimson-red.

Exquisite Mixed. A well-balanced blend.

Any of the above:
Tr. pkt., \$1.00; ¼ oz., \$2.50; oz., \$9.00.

IMPERIAL IMPROVED BISMARCKS

An especially meritorious class; of branching habit. Very early blooming and producing a high percentage of doubles. 2½ feet. Suitable for greenhouse culture or growing out-of-doors.

Chamois. Ivory tinted rose.

Elk's Pride. Rich purple.

Flesh. Delicate pink.

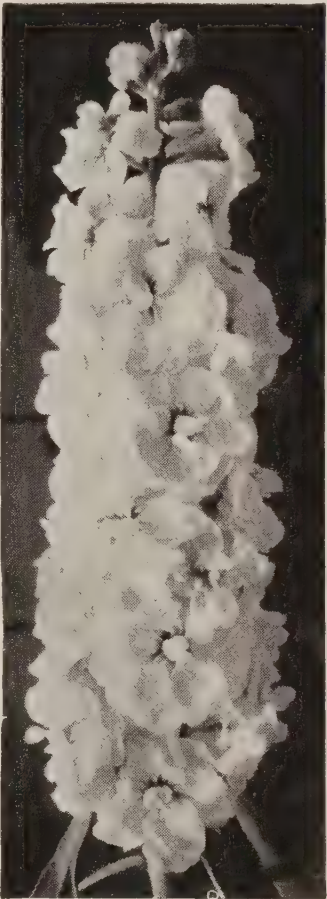
Fiery Blood-Red.

Lilac. Lilac-lavender.

Shasta. Glistening white.

Fine Mixed.

Any of the above varieties:
Tr. pkt., 35c; ¼ oz., 90c; oz., \$3.25.



Stocks

SWEET PEAS

Early or Winter Flowering Spencer

These are all exceptionally large-flowered and long-stemmed.

American Beauty. A rich crimson-rose.
Amethyst. Royal purple.
Apollo. Soft salmon-cerise, long stemmed.
Ball's Rose Improved. Rich deep rose-pink.
Ball Rose Queen. The best rose-pink, long-stemmed.
Ball Orange Improved. Clear deep glowing orange.
Ball White. Large flowered white, white seeded.
Boon. Deep salmon-pink.
Burpee's White. Giant white seeded.
Blue Bird. A magnificent violet-blue.
Bridesmaid. A charming deep silvery pink.
Daphne. Soft salmon-pink; a fine color with long stems.
Fiesta. A new fine orange-cerise, on long stems.
Fragrance. Large frilled lavender flowers.
Harmony. Clear lavender.
Hope. Pure black-seeded white.
Hiawatha. A clear deep rose on white ground; large.
Laddie Improved. Rose.
Mrs. Herbert Hoover. Bright blue; extra long stems.
Mrs. H. S. Reddick. Salmon-pink.
Princess Blue. A belladonna-blue.
Red Bird. Crimson-red.
Sequoia. Rich golden cerise with long, strong stems.
Shirley Temple. A new pink of great value.
Treasure Island. A sparkling shade of golden orange.
Triumph. The color is lovely soft lilac-mauve.
Twilight. Medium clear lavender.
White Harmony. Black-seeded white.
Early Flowering Mixed.

Price, all above: 1 oz., 40c; ¼ lb., \$1.40; 1 lb., \$5.25.

SWEET PEAS SPENCER

Cuthbertson Type

Vigorous, long-stemmed, blooming between early and late Spencer types.

Evelyn. Salmon-cream-pink.
Frank G. Lavender.
Coline. Scarlet.
Janet. White, black seeded.
Lois. Rose-pink.
Tommy. Mid blue.

1 oz., 30c; ¼ lb., 90c; 1 lb., \$3.00.

Choice Mixed. 1 oz., 25c; ¼ lb., 75c; 1 lb., \$2.75.

SWEET WILLIAM (Annual)

Annual Single Mixed. Blooms from seed the first year.

Tr. pkt., 20c; ¼ oz., 40c.



Sweet William

SWEET WILLIAM - *Dianthus Barbat* (Perennial)

There is always a good demand for these beautiful, single, free-flowering, old-fashioned favorites.

	Tr. pkt.	¼ oz.	Oz.
Dark Crimson	\$0.25	\$0.50	\$1.75
Holborn Glory .....	.25	.50	1.75
Newport Pink .....	.25	.50	1.75
Scarlet Beauty .....	.25	.50	1.75
White .....	.25	.50	1.75
Single Choice Mixed .....	.25	.50	1.75
Double Choice Mixed .....	.25	.50	1.75
Dwarf Compact Double Mixed ..	.35	.75	2.75

THUNBERGIA - Black-Eyed Susan

	Tr. pkt.	¼ oz.	Oz.
Mixed. Trailer for window and porch boxes .. ¼ lb., \$3.00..	\$0.20	\$0.30	\$0.90

TORENIA FOURNIERI

Flowers are sky-blue, blotched dark blue with yellow centers Tr. pkt., \$0.40

TRITOMA - Red Hot Poker

3 Feet

	Tr. pkt.	¼ oz.
Hybrida Mirabilis. Blooms first year ...	\$0.25	\$0.50



Verbena

VERBENA Hybrida Grandiflora

A magnificent strain of robust, compact habit and free blooming.

Beauty of Oxford Hybrid. Beautiful rose-pink.
Blue. White eye.
Lavender Glory. Variable in color. Blue with white eye.
Luminosa. Fiery pink shading to salmon.
Royale. Royal blue, creamy yellow eye.
Spectrum Red. Intense bright red.
White. Fine.
Grandiflora Mixed.

Prices of above varieties:

Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

NEW BUSH TYPE VERBENA

Salmon Queen. Brilliant salmon-pink.
Starlight. Bright mid-blue with creamy white eye.

Tr. pkt., 35c; ¼ oz., 90c; ½ oz., \$1.75.

VERONICA - Garden Heliotrope (Perennial)

Spicata. Bright blue. Fine for bouquets. Tr. pkt., 25c; ¼ oz., 60c.



Zinnias

FLORISTS' ZINNIAS

Bodger's "Gold Medal" Zinnias for Cut Flowers and Garden

The plants are of medium height. Very robust. By sowing outdoors in May and as late as August 1st, in well enriched soil and protected with water, they can be had in fine shape right up to frost.

ZINNIAS

Bodger's Gold Medal Giant Double Dahlia-Flowered

The plants are of medium height, 2½ to 3 ft., very robust, bearing many strong stems of the fully double, huge flowers which resemble the show type of Dahlia.

- Canary Bird. Rich canary-yellow.
- Crimson Monarch. Deep crimson, flowers very large.
- Dream. Deep rosy lavender.
- Exquisite. Light rose, deep rose center.
- Golden Dawn. Golden yellow.
- Illumination. Deep rose self.
- Luminosa. Bright deep pink.
- Oriole. Orange and gold bicolor.
- Polar Bear. Large creamy white.
- Royal Purple. Deep rich purple.
- Scarlet Flame. Bright scarlet.
- Will Rogers. Loveliest, most brilliant scarlet-red.
- Gold Medal Finest Mixed. Grown as separate colors.

Prices of Above Varieties:

Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.00; ¼ lb., \$3.50.

Elegans Pumila Dwarf Double (Cut-and-Come-Again)

- Canary-Yellow. Salmon-Rose.
- Crimson. Scarlet. Bright scarlet.
- Pinkie. Rose-pink. Snowball. White.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; ¼ lb., \$2.50.

VINCA ROSEA - Periwinkle

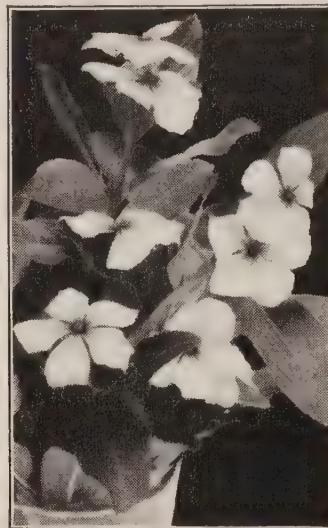
This seed should be sown early to secure salable plants for spring.

	Tr. pkt.	¼ oz.	Oz.
Rosea Alba. White rose center...	\$0.25	\$0.50	\$1.75
Alba Pura. Pure white .....	.25	.50	1.75
Rosea. Pink .....	.25	.50	1.75
Mixed .....	.25	.50	1.75

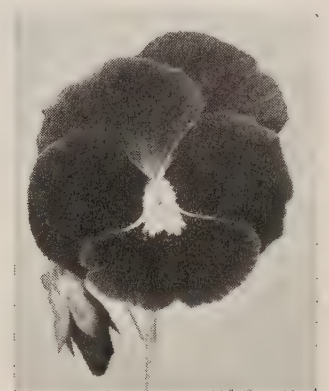
VIOLA - Tufted Pansy

(Biennial)

	Tr. pkt.	¼ oz.
Arkwright Ruby. Ruby-crimson shading to terra cotta	\$0.50	\$1.35
Blue Perfection. Medium clear blue ....	.35	.90
Chantreyland. Best pure apricot .....	.50	1.25
Firmament. Pure sky-blue .....	.35	.75
Lutea Splendens. Sulphur-yellow .....	.35	.75
White Perfection. Pure white .....	.35	.80
Mixed .....	.30	.75



Vinca Rosea



Viola Cornuta

Double Lilliput

The Lilliputs are among the most popular Zinnias for cut flower use. The flowers are small, compact, and symmetrical, on strong stemmed, 1½ to 2 ft. plants.

- Canary Gem. Canary-yellow. Rosebud. Rose-pink.
- Crimson Gem. Salmon Gem.
- Golden Gem. Golden orange. Scarlet Gem.
- Lilac Gem. White Gem.

Pastel Mixture. Pastel shades.

Prices of Above Varieties:

Tr. pkt., 25c; ¼ oz., 35c; 1 oz., 90c; ¼ lb., \$3.00.

Miscellaneous Types

Gracillima (Red Riding Hood). 1 foot high, splendid for bedding. Tr. pkt., 25c; ¼ oz., 40c.

Linearis. The plants grow about 1 foot high. The flowers are a beautiful orange-yellow color. Tr. pkt., 25c; ¼ oz., 50c.

Star Dust. Rich, deep, golden yellow.

Wildfire. Dazzling scarlet.

Crown of Gold Pastel Tints. A mixture of pastel tints and contains a wide color range. Above 3 varieties:

Tr. pkt., 25c; ¼ oz., 40c.

SUMMER FLOWERING BULBS

AMARYLLIS

(Large Flowering Hybrids)

These bulbs will make handsome pot plants for window display during the spring. Light and red shades, mixed.

	Doz.	100
Select Bulbs, 2¾ inch	\$2.60	\$18.00
Select Bulbs, 3 inch	3.40	23.00

BLEEDING HEARTS

Used extensively as an early spring pot plant. Fine for Valentine's Day. Blooms outdoors in early spring. Hardy.

	Doz.	100
3 to 5 Eyes	\$3.25	\$24.00
5 to 8 Eyes	3.90	30.00

BEGONIAS—Tuberous Rooted

With its bright colors, richness of foliage and easy culture it has become a favorite with the public in gardens and homes. Ready Jan. to March. Scarlet, Rose, Salmon, Yellow, White, Dark Red, Mixed.

	Doz.	100
Large Bulbs, 2 inches	\$2.40	\$16.00

CALADIUM - Fancy-Leaved

Choice dormant bulbs for January and February delivery. Our mixture of named sorts is probably the best to be had. We have graded them especially for good size bulbs of the finest varieties.

Fine assortment of highly colored, separate named varieties:

	Doz.	Per 100
No. 1, 1½ to 2 inches	\$2.40	\$16.00



Caladium, Fancy-Leaved

GLOXINIAS

	Doz.	100
Ready Jan. to March. Mixed colors.	\$2.50	\$18.00

TUBEROSES

	100	1000
Single Everblooming. Our bulbs are selected from dependable growers	\$5.00	\$45.00



Amaryllis

CANNAS (Large Flowering)
Dormant Roots

Our Canna roots are strong and healthy. The varieties listed below have proven indispensable where large exhibition showings are needed.

Rosemond Cole. A beautiful crimson with yellow edge. Height 3½ feet; green foliage. 100, \$6.50.

City of Portland. Deep pink. Green foliage. 3½ feet. good flowers.

King Humbert.

This remarkable Canna is the greatest favorite. Broad, tropical foliage. Scarlet flowers; bronze leaves. 4 feet.

Yellow King

Humbert. 4 ft. An Orchid-flowering sport of the well-known King Humbert. Rich yellow, softly spotted and blotched with bright red.

The President. 4 ft. Rich scarlet, green leaf.



Cannas

Prices above Cannas: Per 100, \$6.00; per 1000, \$55.00.

SELECTED HARDY LILIES

Lilium Regale. (Oregon grown.) The flowers are white, shading to yellow in the center, with a pink tinge on the outer edge. A strong grower, some 3 to 4 ft. high. It is deliciously scented, and its extreme hardiness makes it a valuable Lily for outdoor planting.

	Per 100	Per case
7- 8 inches—250 to case	\$10.00	\$24.00
8- 9 inches—200 to case	14.00	26.00
9-10 inches—150 to case	21.00	30.00
Rubrum. (Japan.) Handsome heads of flowers with reflexing petals heavily spotted crimson on white ground.		
	Per 100	Per case
8- 9 inches—200 to case	\$28.00	\$53.00
9-10 inches—125 to case	35.00	42.25
	10	100

Tenuifolium. Slender stems, grassy foliage, glossy scarlet flowers with reflexed petals. Height 2 ft. June flowering. \$1.50 \$12.50

Tigrinum splendens. Very handsome, producing heads of bright fiery orange-scarlet flowers with large crimson-brown spots. Height 5 ft. 2.25 20.00

GLADIOLUS

For Forcing — Outside Planting

Delivery can be made any time from January 1st to May 15th; and you may be assured that every effort will be made to handle your order efficiently, promptly and to your entire satisfaction. Prices are subject to change. If in need of large quantities, send us your list for a special quotation.

We carry a large stock of No. 2 size. If in the market, please write for market price.

	First Size	
	100	1000
Beacon. Red-salmon with cream throat, very tall. Medium early	\$2.50	\$20.00
Betty Nuthall. Clear coral with deeper throat lines. Excellent cut flower	2.50	20.00
Blue Beauty. One of the finest medium deep blues. Fine early commercial ..	3.50	30.00
Charles Dickens. Purple-violet with deeper throat. Tall, strong grower	3.00	25.00
Corona. Creamy white, cream throat with rosy lavender flecks at edges	4.50	40.00
Debonair. La-France-pink, cream throat	2.50	20.00
Dr. F. E. Bennett. Peach-red, overlaid with scarlet	2.90	24.00
Early Rose. Beautiful rose-pink. Fine forcer, very early	2.85	24.00
Elizabeth The Queen. Extra fine new lavender, beautiful ruffled needle point bloom, darker than Minuet. Excellent commercial	4.50	40.00
Ethel Cave Cole. Large, massive spikes of light pink self color	4.00	35.00
Flaming Sword. Beautiful brick-red; tall .	2.25	18.00
Gold Dust. Extra fine deep yellow	2.70	22.00
Lady Jane. Clear glistening cream, ruffled	3.50	30.00
Leading Lady. White Picardy sport, cream throat. Outstanding commercial and much in demand	4.00	36.00
Margaret Beaton. Snow-white with a tiny scarlet eye deep in the throat	3.00	25.00
Margaret Fulton. Coral-pink, to trifle lighter throat; tall spike. Early	2.50	20.00
Maid of Orleans. Beautiful milky white with cream throat. Tall, sturdy grower with eight or more flowers open	2.70	22.00
Minuet. Light lavender with ideal spike. One of the best	4.00	35.00
Miss Bloomington. Six to eight large, perfectly placed, rich lemon-yellow blooms open at a time. Considered the best yellow variety	2.50	20.00
Peggy Lou. Shrimp-pink with deeper tint of rose. Long flower head, very large florets	2.90	24.00



	First Size	
	100	1000
Picardy. The most popular of all Gladioli. Color is a beautiful light salmon. Tall, strong grower with extra large florets	\$3.00	\$26.00
Purple Supreme. Outstanding tall bright purple. Superb cut flower	3.50	30.00
New Europe. Large orange-scarlet, proven commercial	3.50	30.00
Rosa Van Lima. Pure self colored light pink. Many flowers open at one time.	2.75	23.00
Silentium. White blending to cream, with carmine marking in throat	4.00	35.00
Silver Wings. New. A wonderful white sport of Picardy. Opens 7 or 8 glistening white florets with most of the remaining buds showing color. Florets are 6 inches across and are very ruffled. All the buds will open to the very tip	5.00	45.00
Snow Princess. A fine large, pure white .	2.70	22.00
Stoplight. Fine textured clear medium deep red. Excellent cut flower. Perfect placement	3.50	30.00
Token. An extra early flame-salmon, clear yellow throat	2.50	20.00
Valaria. Very large, light scarlet	4.25	38.00
Wanda. Creamy pink sport of Picardy. Like Picardy except color. Midseason	3.50	30.00
White Gold. Huge cream-white	4.00	35.00
Florist's Superfine Mixture	2.50	20.00

GARDEN AND LAWN FERTILIZER

A Necessity to All Growing Plants



ARMOUR VERTA- GREEN

Vertagreen is a high quality, scientifically blended and balanced plant food, excellent for obtaining more prolific growth of lawns, flowers, shrubs, trees and garden vegetables. It is clean, odorless and easy to apply.

Vertagreen contains

5% nitrogen, 10% phosphorus and 5% potash, the three major plant foods, in addition to several other elements essential to successful plant germination.

Dealers price

1-lb. pkg.,	\$0.12.	32 1-lb. pkgs. to case,	\$ 2.32
5-lb. pkg.,	.45.	12 5-lb. pkgs. to case,	3.48
10-lb. pkg.,	.85.	6 10-lb. pkgs. to case,	3.36
25-lb. pkg.,	1.50.	Per ton	80.00
50-lb. bag,	2.65.	Per ton	74.00
100-lb. bag,	4.25.	Per ton	58.00



VIGORO

COMPLETE PLANT FOOD

Enthusiastic gardeners everywhere attribute their success to the use of Vigoro, complete plant food.

Your lawn and flowers need nourishment that Vigoro supplies for best growth and

maximum beauty. Vigoro works wonders on vegetables too!

Available

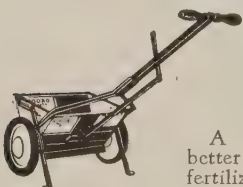
6% Nitrogen 10% Phosphoric Acid 4% Potash
Vigoro is clean, odorless, sanitary and easy to apply. Economical because you need only 4 pounds of Vigoro per 100 sq. ft. to get best results from everything you grow.

Dealers price

1-lb. pkg.,	\$0.15.	32 1-lb. pkgs. to case,	\$ 3.88
5-lb. pkg.,	.50.	12 5-lb. pkgs. to case,	3.84
10-lb. pkg.,	.90.	6 10-lb. pkgs. to case,	3.54
25-lb. pkg.,	1.50.	Per ton	84.00
100-lb. pkg.,	4.00.	Per ton	58.00
Tablets, 48 10c pkgs. to case			2.64

VIGORO

Commercial growers 8-8-8 analysis with minor elements. Complete plant food. Packed in 80-lb. bags. Per bag, \$3.55; 5 bags, \$2.80 per bag.



PLANT FOOD SPREADER

A good spreader assures better results because it applies fertilizer or seed evenly and accurately. Sturdily constructed and easy running. Works on

force feed principle with handle control shut-off. Quickly adjustable. Simple to operate.

Model "B," 14-inch width, 20-lb. capacity. Price, \$6.85. Shipping weight, 11 lbs.

Junior Spreader, 16-inch width, 40-lb capacity. Price, \$10.25. Shipping weight, 23 lbs.

Standard Spreader, 24-inch width, 75-lb. capacity. Price, \$28.00. Shipping weight, 65 lbs.



TERRA-LITE—Vermiculite

Being light and fluffy, Terra-Lite has proven ideal in potting plants. A mixture of half soil and half Terra-Lite should be used for starting seedlings. Per bag (approximately 4 cu. ft.), \$1.25; 10 bags, \$12.00.

HYPONEX

Contains all of the known major and minor elements of plant food with vitamin B-1 added. Analysis 7% Nit., 6% Phos., 19% Pot. 1-lb. can makes 100 gals., \$1.00; 25-lb. drum, makes 2500 gals., \$10.00; 50-lb. drum, makes 5000 gals., \$16.65; 100-lb. drum, makes 10,000 gals., \$26.65.



PLANTABBS

A widely advertised fertilizer and stimulant in tablet form made especially for potted plants. Now contains Vitamin B-1. Pkg. of 30 tablets, 25c; 200 tablets, \$1.00; 25c size, \$2.00 per doz. \$1.00 size, \$8.00 per doz.

RA-PID-GRO

Nitrogen from Urea—Analysis 23-21-17. Soluble in water and can be fed through the roots or foliage. Dealers price, 25-lb. drum, \$14.00.

NEW PLANT LIFE

A LIQUID PLANT FOOD. 1/2 teaspoon makes 1 quart of complete fertilizer. 3-oz. bottle, 25c; 2 doz. to case, \$4.00; gal., \$4.00.

GARDEN AND LAWN FERTILIZERS

The highest grade only. Guaranteed analysis. All f.o.b. St Louis. Due to certain conditions we are unable to quote prices on some items at this time and when in the market please write us for prices.

ADCO

A powder which, mixed with vegetable matter and kept moist, turns the latter into real manure, but without the odor, flies, etc. Directions enclosed in bags. 5-lb. pkg., \$1.00; 20-lb. bag, \$2.50.

ALUMINUM SULPHATE

For making acid soil. Also used in benches that contain too much lime. 10 lbs., 75c; 100 lbs., \$3.50.

AMMONIUM NITRATE—32.5 % Nitrogen

100-lb. bag, \$5.00.

ARMOUR'S SPECIAL ORNAMENTAL 10-8-6

A concentrated fertilizer for lawns, trees, shrubs and ornamental plants. For garden or lawn use 100 lbs. for 50x100 ft. 100-lb. bag, \$4.00; ton, \$65.00.

SWIFT'S BRIMM (4-12-8 Analysis)

A well balanced plant food for commercial growers for feeding and making potting soil. Use 5-inch pot for wheelbarrow of earth. 80-lb. bag, \$2.25; \$52.65 per ton.

BONE MEAL 2-24

Best grade of steamed bone for general use. 2% nitrogen, 24% phosphoric acid. Used under glass or outside for nearly all plants. 100-lb. bag, \$4.75; ton, mkt. price.

CATTLE MANURE (2 % Nitrogen, 1 % Total Phosphoric Acid, 1 % Potash)

This is a very high grade material, heat dried, and free from straw, being all pure cattle manure. 50-lb. bag, \$1.40; ton, \$54.00.

COTTON SEED MEAL

An organic fertilizer containing nitrogen, phosphoric acid and potash. A valuable fertilizer for acid loving plants. Will tend to keep the soil acid and supply plant food in one application. Apply at the rate of 5 lbs. per 100 sq. ft. 25 lbs., \$2.00; 100 lbs., \$5.50.

DRIED BLOOD (13 % Nitrogen)

For indoor culture of flowering plants, Roses, Carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. Price, 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.50.

HARDWOOD CHARCOAL (Granulated Fine)

For mixing in soil in seed flats, cutting benches and pot plants. 50-lb. bag, \$3.10.

HORN DUST (13 % Nitrogen)

Best used for mixing potting soil; quick acting. 50-lb. bag, \$8.00.

HYDRATED LIME

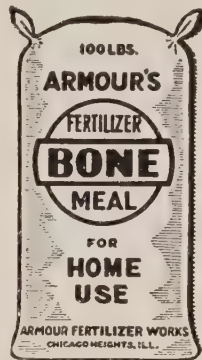
Used to neutralize acid soil on lawns and gardens. Use 50 lbs. for 20x100 ft. 10-lb. bag, 25c; 50 lbs., 65c.

IRON SULPHATE (Copperas, also Ferrous Sulphate)

Useful for developing and maintaining rich dark green foliage on Azaleas. Dissolve 4 ozs. in 5 gals. of water. Spray every two weeks, washing off foliage immediately after spraying. 5 lbs., 50c; 10 lbs., 75c; 100 lbs., \$3.50.

LOMA 5-10-5

Use Loma for feeding Carnations, Snapdragons, and all greenhouse plants. 5-10-5. 100-lb. bag, \$3.15; ton, \$63.00.



MINERALIZED LOMA 8-8-8

Guaranteed fertilizer analysis of 8-8-8 plus all the essential mineral elements. Complete analysis on bag. 100-lb bag, \$7.50.

MILORGANITE

A unique plant food, scientifically prepared, free from weed seed and all harmful organisms. Easy to apply without danger of burning. For lawn and garden use 100 lbs. for 50x100 ft.

	Retail	Dealers Price
25-lb. bag	\$1.45	\$76.00 per ton
50-lb. bag	2.45	66.00 per ton
100-lb. bag	3.95	50.00 per ton

MINNESOTA HORTICULTURAL PEAT

Black Peat, fine for seed flats and potting soil. Approx. 3-bu. bag, \$2.50.

PEAT MOSS, Horticultural

Adds organic matter, improves the texture, conserves moisture and aerates the soil. Gardeners use Peat Moss for packing and storing bulbs, such as Cannas, Dahlias, etc. Large standard bale, \$3.95.

MURIATE OF POTASH—62 % Potash

The chief use of Muriate of Potash is the stimulation of root growth. 100-lb. bag, \$5.50.

NITRATE OF SODA

16 per cent inorganic nitrogen, readily soluble and quickly available for side or top dressing, or in liquid manures. For the home garden apply as a solution one ounce to two gallons of water. Price (subject to market change.) 10 lbs., 85c; 25 lbs., \$1.50; 100 lbs., \$5.00.

COMMERCIAL 8-8-8

A well balanced plant food for commercial growers. 80-lb. bag, \$2.25; ton, \$59.25.

SHEEP MANURE—Pulverized (2 % Nitrogen, 1 % Total Phosphoric Acid, 2 % Potash)

This is a pure, natural manure. It is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. 50-lb. bag, \$1.40; ton, \$54.00.

SUPER ACID PHOSPHATE (20 % Phosphoric Acid)

Used for Carnation soil and other crops requiring phosphoric acid. 100-lb. bags. For grain and Corn use 500 lbs. per acre. 80-lb. bag, \$1.90.

SULPHATE OF AMMONIA

Highly concentrated, quick acting. Particularly desirable for lawns and gardens. 10 lbs. covers 2500 square feet or 50x50 feet. 10 lbs., 85c; 100-lb. bag, \$5.00.

TOBACCO DUST

Fine powdered Tobacco. Used principally as a ground covering in greenhouses to repel insects. 100 lbs., \$3.90.

SWIFT RED STEER 4-12-4

A well balanced plant food for commercial growers for feeding and making potting soil. Use 5-inch pot for wheelbarrow of earth. For grain and corn use 500 lbs. per acre. 80-lb. bag \$2.25.

FOR ORCHARD AND FIELD CROPS

We are distributors for Swift & Co. Red Steer Fertilizer, also Armour Big Crop Fertilizer. 80-lb. paper bags.

	Available			
	Nitrogen	Phosphoric Acid	Potash	Per Ton
10- 8- 6—	10%	8%	6%	.....\$65.00
4-12- 4—	4%	12%	4%	..... 45.70
2-12- 6—	2%	12%	6%	..... 40.75
0-14- 7—	0%	14%	7%	..... 39.05
0-12-12—	0%	12%	12%	..... 40.65
0-20- 0—	0%	20%	0%	..... 38.00
4-12- 8—	4%	12%	8%	..... 52.65
8- 8- 8—	8%	8%	8%	..... 59.25

VITAMIN-HORMONE STIMULANTS

APP-L-SET

A plant hormone, containing Alpha Naphthyl Acetic Acid, to reduce pre-harvest drop of Apples and Pears. 1/4 pound makes 100 gallons of spray. 1/4-lb. can, 35c; case of 24 cans, \$6.00.

DOW SPROUT INHIBITOR, DUST

22% Methyl Ester Alpha Naphthyl Acetic Acid mixed with a carrier and used as a dust on a variety of stored vegetables, particularly Potatoes, to reduce sprouting and shrinkage. One pound treats 11 bushels of Potatoes. 1-lb. cans, \$1.00.

FRUITONE

FOR BETTER SET OF FRUIT OR SEED
More Tomatoes and More Seedless Tomatoes with Fruitone.

This plant hormone spray will help develop a better set and a bigger crop of Tomatoes. If the spray hits the blossoms after blooming and before pollination, the Tomatoes will be seedless. Simple and easy to use. Fruitone also helps grow big berries on berry-bearing shrubs and stops pre-harvest drop on fruit trees. Dilution: 2-ozs. to each 25 gals. of water. 2/5-oz. pkt. 25c per pkt.; dozen, \$2.00; 2-oz. can, \$1.00; 12-oz. can \$5.00.

HORMONE POWDERS



Untreated Treated

HORMODIN POWDER

Root Cuttings Faster—Better

No matter what plant you are growing from cuttings, you will have better results if you treat them with Hormodin.

Powder No. 1—Used on most soft wooded subjects grown by florists. 1 3/4-oz. tin, 50c; 1 lb., \$3.00.

Powder No. 2—For more difficult subjects. 1 3/4-oz. tin, 75c; 1 lb., \$4.50.

Powder No. 3—Used for hard wooded and hard to root items. 1-oz. tin, \$1.00; 1/2 lb., \$4.50.

ROOTONE

Reg. U. S. Pat. Off.

HORMONE POWDER FOR CUTTINGS

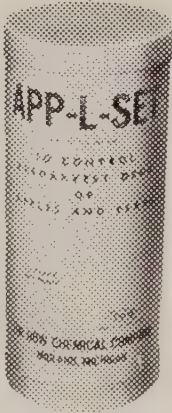
Rootone, the plant hormone powder, for cuttings, seeds, tubers and bulbs. Just dip the base of the cutting or slip in Rootone, set in sand, and the roots will grow faster and bigger. By dusting seed with Rootone, seedlings grow faster and more uniformly, producing stronger plants and better crops.

- 1/4-oz. pkg., 25c size, doz. pkgs.\$2.00
- 2-oz. jars (up to 3,000 cuttings.) 1.00
- 1-lb. pkg. (up to 30,000 cuttings.) 5.00

ROOTONE No. 10

2 1/2 times stronger than the standard. For woody cuttings. For slow to root Evergreen cuttings.

- 2-oz. jar \$ 2.00
- 1-lb. can 10.00



TERSAN

A non-mercurial fungicide for golf and lawn turfs, will prevent large brown-patch and dollar spot. 8 ozs., 80c; 4 lbs., \$5.15; 25 lbs., \$30.00; 100 lbs., \$115.00.

TRANSPLANTONE FOR TRANSPLANTING

Transplantone, the hormone-vitamin powder for stimulating roots in transplanting. Makes shrubs, trees and plants in general, take root faster. Produces earlier maturity and larger crops when used on Tomato, Cabbage, Celery, Lettuce, Tobacco and sweet Potato plants. One level teaspoon makes one gallon. Booklet of directions with each package.

- 3-oz. cans\$1.00 Doz. cans ...\$8.00
- 1-lb. cans 4.00

Inoculate all Legume Seeds with

NITRAGIN

1898—FIFTY-TWO YEARS OF SERVICE—1950

When ordering, Always state name of seed

ALFALFA (A)	SOYBEANS (S)
Swt., Bur, Hubam Clovers	Size Retail
Size Retail	2 bu. each.....\$.30
1 bu. each....\$.50	5 bu. each..... .50
2 1/2 bu. each... 1.00	25 bu. each..... 2.25
	(One can)
CLOVERS (B)	30 bu. each..... 2.95
Red, Alsike, Crimson, White and Ladino.	(6-5 bu. cans)
1 bu. each....\$.50	
2 1/2 bu. each... 1.00	
COMBINATION (AB)	BEANS (D)
1 bu. ea. ....\$ .50	Navy, Pinto, Wax, String, Kidney and Great Northern
LESPEDEZA (L)	1 bu. ea. ....\$ .50
100 lb. size (Inoculates up to 100 lbs.) ..\$.50	
PEAS, (C)	PEANUTS, COW PEAS (E)
VETCHES(All Varieties)	2 bu. each.....\$.30
100 lb. size (Inoculates up to 100 lbs.) ea.\$.50	5 bu. each..... .50
GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines, Lima Beans and Edible Soybeans	
Enough for 8 lbs. seed — Retail Price 15c each	

FUNGICIDES FOR SEED, GRAIN, BULBS

NEW IMPROVED CERESAN

A dust disinfectant for Wheat, Oats and Barley. One pound treats 32 bushels of seed. Excellent to control fusarium crown rot and dry rot on Gladiolus. Use at the rate of 1 lb. in 25 gallons of water, plus 5 tablespoons Grasselli Spreader.

- 1/3 oz.\$0.10
- 4 ozs.35
- 1 lb.90
- 4 lbs. 3.00

SEMESAN

A general disinfectant for vegetables and flower seeds or bulbs, and certain plant diseases.

- 2 ozs.\$0.45
- 12 ozs. 2.10

SEMESAN BEL

A dip disinfectant for seed Potatoes. One pound treats from 60 to 80 bushels.

- 2 ozs.\$0.35
- 1 lb. 1.85
- 25-lb. Drum 24.00
- 100-lb. Drum 93.00

INSECTICIDES AND FUNGICIDES

NOTE: All prices listed are subject to change. To the best of our knowledge, prices on supply items in this catalog conform to existing price established as of the date this catalog was issued.

ARSENATE OF LEAD

A stomach poison used to combat most chewing insects. 1 lb., 50c; 4-lb. bag, \$1.15.

APOMITE

Rotenone spray, for control of red spider, aphids, green fly, black fly, thrip, white flies. Safe to use. Gal. \$10.00.

BRIDGEPORT AER-A-SOL Flies, Mosquitoes, Gnats

Spray 6 to 8 seconds in average size room. Spray screens, window frames and over beds at night for mosquitoes. Each \$1.75; dealers doz., \$15.20.

BENZO-FUME AZOBENZENE PRESSURE FUMIGATORS

1 lb., to each 10,000 cu. ft. For controlling greenhouse red spider in Carnations, Chrysanthemums and many other crops. 1/2-lb. can, 12 to case, \$3.20. 1-lb. can, 12 to case, \$5.50.

BLACK LEAF 40

Nicotine sulphate for use against aphids, thrips and other sucking insects. Mainly used for outdoor crops because of its prolonged action.

1 oz.	\$0.35	Dozen	\$ 2.79
5 ozs.	1.00	Dozen	8.55
1 lb.	2.40	2 lbs.	4.15
5 lbs.	7.40	10 lbs.	13.75

BLACK ARROW 5000

Pyrethrum dust is particularly effective against thrips, white flies, leaf rollers, midge. 10 lbs., \$4.75; 50-lb. bag, \$19.50.

BLOT

For red spider control. Use at the rate of 1 pint to 100 gals. of water. Qt., \$4.50; gal., \$15.50. Case of 4 gals., \$15.00 per gal.

BORDEAUX MIXTURE (Dry)

For blight, mildew, rust, etc. Use for dry dusting or spraying. Dilute 1 pound to about 6 gals. of water. Lb., 35c; 4 lbs., 90c.

CERT-O-KILL

A 25% DDT concentrate. Use at the rate of 2 qts. to 100 gallons of water. Effective control of leaf hoppers, tarnish plant bug, etc. Gal., \$5.90.

COPPER SOLUTION (Cusol)

A spray which controls most fungous diseases as well as stimulates plant growth. Gal., \$4.90.

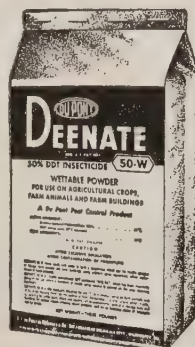
COPPER SULPHATE (Blue Stone)

10 lbs., \$2.00; 25 lbs., \$4.25; 100 lbs., \$13.50.

BLACK LEAF GARDEN DUST

A combination of nicotine, rotenone, pyrethrum. Black Leaf Garden Dust controls many of the common chewing and sucking insects and fungous diseases.

	Retail		Dealers Price
1/2-lb. tins	\$0.65	Doz.	\$5.10
1-lb. tins	1.15	Doz.	9.20



CUPRINOL No. 10

For wood. Dyed green for use on exterior and interior surfaces. Stops rot, fungus and wood destroying insects. Covers approximately 400 sq. ft. to the gallon. Will not harm plants.

1 gal.	per gal., \$3.90
5 gals.	per gal., 3.65
50 gals.	per gal., 3.50

CUPRINOL FOR FLORISTS No. 14

Especially recommended for dipping and will result in a considerable saving to the grower in the protection of flats and stakes. In dipping the flats should be immersed in the liquid from 4 to 5 minutes. 5-gal. can, \$2.35 per gal.; 50-gal. drum, \$2.20 per gal.

CUPROCID—Yellow

Fungicide plant spray for controlling blight. 3 lbs. makes 150 gallons of spray. 1 lb., 75c.

CYANOGAS G-FUMIGANT (Calcium Cyanide)

Excellent to control white fly, mealy bugs, leaf tiers and many other hard to control insects. Use 1/4 oz. per 1000 cu. ft. 5-lb. cans, \$3.75; 25-lb. cans, \$12.50.

CYANOGAS FOOT PUMP

Especially designed for applying Cyanogas A-Dust. Ruggedly constructed; lasts indefinitely. Price \$10.50.

CYANOGAS "A"—DUST

For outside use in killing ants, rats, moles, wood-chucks, gophers and ground squirrels. 1 lb. \$1.00; 5 lbs., \$3.75; 25 lbs., \$12.50.

CYANOGAS—Ant Killer

Does not rely on feeding habits of the ants. It kills them with gas. 4-oz. 39c size. Doz. \$2.80.

DEENATE 50W (DDT)—Wettable

A wettable powder containing 50% DDT which mixes readily with water and can be used for spraying crops. Recommended dosage for horticultural crops is 1 to 2 lbs. per 100 gallons of water. 1 lb., 75c; 4-lb. pkg., \$1.75; case of 12 4-lb. pkgs., \$1.60 per pkg.

DENDROL DORMANT SPRAY OIL

Dendrol is highly effective against all forms of scale if properly applied and dosage recommendations are followed. 5-gal drum, \$5.25.

DOGZOFF—Liquid

Protection against all animals. Spray on lawn or around objects to be protected. Lasts a long time. 3-oz. bottle 60c; Doz., \$4.80.

INSECTICIDES AND FUNGICIDES-Continued

DOW 9-B SEED PROTECTANT

Controls Fusarium Rots of Gladiolus

Fusarium brown rot (corm rot, bulb rot, Picardy rot) and fusarium yellows disease are usually responsible for more loss of corms than any other disease affecting Gladioli. Freshly cleaned corms may be soaked in a mixture of 1½ pounds of Dow 9-B plus 2 pounds Fermate (or Ferradow) in 50 gallons of water. The corms are soaked for 5 to 30 minutes. 5-lb. cans, \$3.25 per can.

DOW'S DN DUSTS AND SPRAY

DOW'S DDT 50%—Wettable

A wettable powder especially prepared to mix readily with water for spraying. Contains 50% DDT. High DDT content gives sprays with minimum visible residue—an advantage on many crops. 4-lb. pkg., \$1.75; case of 12 4-lb. pkgs., \$1.60 per pkg.

DOWFUME MC-2

New, more effective way to kill weeds, nematodes and soil insects in seedbeds. Controls most weed and grass seeds, stolons and roots of perennial plants. 1 lb. treats 100 sq. ft. 1-lb. can, \$1.00; case, 24 1-lb. cans, \$19.20. Dowfume MC-2 Dispenser, \$4.50.

DOWFUME G

New rapid setting fumigant. Especially toxic to nematodes, eel worms, soil insects, millipedes, centipedes, pill bugs, etc. Permits replanting in 2 to 4 days. No waiting for root galls to decay. Permits one-bench fumigation. Not injurious to nearby plants. Easily and economically applied. Water seal is only covering needed. 2 3/10 gals. to 1000 sq. ft. 10-gal. drum, 110 lbs. net, \$28.50.

DOWFUME G APPLICATORS

Highly satisfactory hand applicators. Adjustable for varied dosage. Will give years of service. Each \$20.00.

GARDEN DOWFUME

A soil fumigant containing Ethylene Dibromide. Very effective in controlling nematodes, wire worms, and other soil insects in home gardens. 1 gal. treats 400 sq. ft. 1-gal. cans, \$1.50.

DN SULPHUR DUST No. 10

To control spider mite on Carnations only. Do not use on open flowers. 10-lb. bag, \$3.00; case of 5 10-lb. bags, \$12.50.

DN DUST No. 12

For use to control spider mite, thrips, and rust on Roses, Callas, Snaps, Gardenias and Carnations. 10-lb. bag, \$4.50; case of 5 10-lb. bags, \$20.00.

DOWKLOR-40% -WETTABLE POWDER

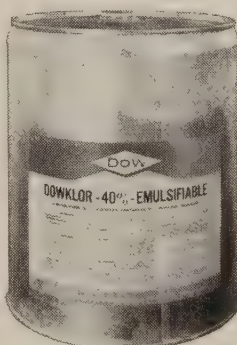
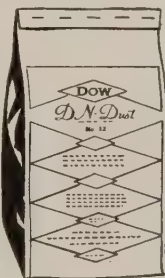
Active ingredient, Chlordane. Suitable for use either as a wettable powder or a dust concentrate. Excellent control for grasshoppers, ants, crickets, alfalfa weevil, roaches, fleas, lice, flies, ticks, chiggers, and a wide variety of insects attacking fruit and vegetables. Leaves a visible residue.

100-lb. drums per lb. \$0.59
4-lb. cans per lb. .80

DOWKLOR-40% -EMULSIFIABLE

This formulation is diluted in water to give emulsions containing Chlordane. Can be used for the same purposes as the wettable powder.

50-gal. drums per gal. \$5.50
5-gal. drums per gal. 6.00



DOWAX

For coating trees and shrubs for protection during transplanting, eliminates wrapping tree trunks, protecting Dahlia tubers and Cannas. Gal. \$2.25.

DOWKLOR-5% -DUST

A finished dust formulation for use against both agricultural and household insect pests. Controls same insects as DOWKLOR-40%-Wettable.

1-lb. duster cans 90c. Doz., \$7.20.

DOW ROTODOW

Dusts are ready for immediate use. Non-poisonous, kills by contact, both chewing and sucking insects. 1-lb. can, 39c; doz., \$3.12.

DN DRY MIX—Wettable No. 2

Recommended for use with oil or water to control a variety of insects in the dormant stage, particularly aphids on Apples and spider on Citrus. Use 1¼ to 2 lbs. to 100 gals. of water. 1-lb. pkg., 65c.

DOW MIKE SULPHUR—Wettable

More than 15 times finer than 325-mesh sulphur. Wets instantly and is the preferred wettable sulphur because of its fineness. Lb., 30c; 4-lb. bag, 60c; case of 12 4-lb. bags, \$4.80.

DOW MIKE SULPHUR FOR DUSTING

An improved dusting sulphur for garden use. Controls mildew, leaf spot, black spot and rust. Also effective on red spider on evergreens. Particularly effective on Roses. 10-lb. bag, \$1.25; case of 6 10-lb. bags, \$6.00.

DRY LIME-SULPHUR

For dormant spray use 12 to 15 lbs. to each 50 gals. of water. 1-lb can, 40c; 5-lb. can, \$1.75; 25-lb. drum, \$5.75.

PARATHION (DOW'S)

15% Wettable Powder

Dow Parathion 15% wettable may be used on Apples for the control of mites, red banded leaf roller, mealy bugs and woolly aphid, also for the control of mealy bugs, aphids, leaf tier and mites on nursery stock and ornamental shrubs. Use at the rate of ½ to 1½ lbs. per 100 gals. of water. 1-lb pkg., \$1.25.

DOWSPRAY* DORMANT No. 3

An outstanding DN-Oil Spray for use in spring dormant applications to control aphids on Apple, Cherry and Currant, scale insects on Apple, and psylla on Pear. Dowspray* Dormant No. 3 is easily prepared for application and is flowable at low temperatures. It is non-caustic, will not freeze. Use 2 gallons Dowspray Dormant No. 3 in each 100 gallons of spray. 50-gal. barrels, 82c per gal.

LINDANE—25% Wettable

For Livestock Barns and Other Buildings. As a residual spray for control of flies, roaches, ants and mosquitoes, use at the rate of 10 pounds in 100 gallons of water. Apply to walls, ceilings, beams, window sills and other surfaces where flies come to rest. 1-lb pkg., \$3.50.

INSECTICIDES AND FUNGICIDES—Continued



ENDOPEST

Easy to use EndoPest. It comes in an efficient, exclusive dust gun package. Just a few quick strokes produces a thin cloud of dust, enough to protect a bed of flowers or a row of vegetables. This makes it economical and best. Buy refill cartridges when you buy your original dust gun package.

	Retail	Dealers Price
10 oz. applicator gun,	\$0.98	24 to case, \$15.29
10 oz. refill cartridges,	.75	24 to case, 11.70
4 oz. sifter top pkg.,	.35	24 to case, 5.46
2-lb. pouring spout		
pkg.,	1.98	12 to case, 15.45

"EVER GREEN" GARDEN SPRAY

"Ever Green" garden spray is one of the most powerful general garden insecticides. It kills many of the common varieties of both chewing and sucking insects. A Pyrethrum spray for aphids, leaf rollers, leaf hoppers, midges, tarnished bugs, white fly.

	Retail	Dealers Price
1 oz.	\$0.35	Doz. \$ 2.80
6 ozs.	1.15	Doz. 9.25
Pint	3.00	Doz. 20.90
Quart	4.10	Doz. 36.00

FERMATE—Fungicide

This new fungicide which has been thoroughly tested gives remarkable control of plant disease, with safety to all plants. Reliable specific for black spot on Roses, leaf spot on Chrysanthemums, Snapdragon rust, anthracnose of Tomatoes and brown rot of Cherries. Recommended for use against all fungi and mildews. 1/2-lb. pkg., 75c; doz., \$6.00; 3-lb. pkg., \$2.50; case of 12 3-lb. pkgs., \$2.25 per pkg.

FISH OIL SOAP

For use as a spreader in using spray materials. Also as a wash on various plants for cleansing foliage. With nicotine sprays use 3 to 5 lbs. to 50 gals. of water. 1/2 pt., 35c; pt., 65c; qt., \$1.25; 25-lb. pail, \$6.50.

FLY AND MOSQUITO SPRAY DDT, Hammond's

Close all doors and windows. Spray freely toward the ceiling until the room is foggy with spray. Keep room closed 10 minutes. **ROACHES, ANTS, WATER BUGS:** Spray freely wherever these insects are found. Qt., 75c; gal., \$2.50.

FORMACIDE FORMALDEHYDE DUST

For the control of damping off seedlings. Also a disinfectant against soil diseases.

5 lbs.	\$2.50
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FLOWERS OF SULPHUR

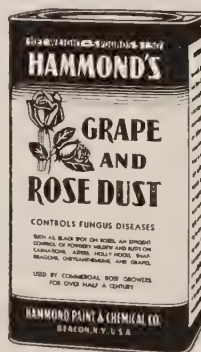
A powder used to check mildew, dry rot and other fungous disease. 5 lbs., 45c; 10 lbs., 75c; 50-lb. bag, \$2.90.

GRAFTING WAX

Grafting is done between January and April, according to locality. Use smooth, straight scion wood of one season's growth. When scions are set, wax thoroughly. This wax may be used by placing in warm water until soft enough to work. 1/4 lb., 35c; 1/2 lb., 50c; lb., 80c.

GRAPE AND ROSE DUST (Hammond's)

Basically a micro fine sulphur compound useful to control blights, powdery mildew and black spot. 1 lb., 35c; 5 lbs., \$1.25.



GRASSELLI SPREADER-STICKER

Effective and economical wetter, spreader and sticker. We recommend its use with all sprays for greater efficiency.

Pint cans (1 lb.)	\$0.90
Gal. cans (8 lbs.)	6.35

HAMMOND'S "75" DUST

As a general purpose dust No. 75 Stabilized Rotenone (contains 3/4% Rotenone) has proven a valuable aid to commercial growers and gardeners. Its highly toxic, non-poisonous ingredients are thoroughly dispersed and inter-mixed to give a perfectly uniform material. Kills by both contact and stomach action. Lb., 45c; 5 lbs., \$1.75.

HANTU

Hantu is new—a scientific product evolved during war research. It is the best brown rat killer so far produced with a margin of safety for the user. It is so powerful that only a very small amount—actually a lick—kills the rat. 2-oz. can, 60c; doz., \$4.80.

IRON SULPHATE (Copperas also Ferrous Sulphate)

Useful for developing and maintaining rich dark green foliage on Azaleas. Dissolve 4 ozs. in 5 gals. of water. Spray every two weeks, washing off foliage immediately after spraying. 5 lbs. 50c; 10 lbs., 75c; 100 lbs., \$3.50.

LORO

Against Chrysanthemum midge, mealy bug, red spider, mites and thrips. Loro is also recommended for use on Carnations, Gardenias, Snapdragons, Gladioli and Dahlias. Pt., \$2.00; gal., \$10.50.

MARLATE 50

MARLATE 50 is effective in the control of Mexican Bean beetle, Asparagus beetle, Cucumber beetles, flea beetles, Japanese beetle, leaf hoppers on Beans, Cabbage worms and Melon worms. As a spray for the control of the above insects use 2 to 3 lbs. of MARLATE 50 per 100 gals. of water. 4-lb. pkg., \$3.25; case of 12 4-lb. pkgs., \$36.00.

MOLE NOTS

Life saver for lawns and seed beds. Trial size, 8 nots, 35c; display carton of 12 pkgs., \$2.80.

MOUSE-NOTS

Mouse-Nots are conveniently packaged and easy to use. Just place Mouse-Nots in attics, cupboards or wherever mice are in evidence. Excellent too for leaving around in beach cottages, cabins, summer homes, etc., that are closed over the winter season. Pkg., 25c. Dealers price, \$2.00 per doz.

RAT-NOTS

The household or 25c size of Rat-Nots contains nine individual "Nots," usually sufficient to exterminate nine rats. Pkg., 25c. Dealers price, \$2.00 per doz.

MOLITES RODENT KILLER

Molites is the new, improved "Gas" type rodent destroyer—offering a more effective method of controlling moles, rats, gophers, field mice and other underground pests. Packed 3 dozen to a carton, each 15c; doz., \$1.50. Dealer's price, case of 12 doz., \$12.00.

NAPHTHALENE FLAKES

Many growers spread these under benches to repel thrips, red spider and other pests. 1-lb. box, 25c.

INSECTICIDES AND FUNGICIDES—Continued

THE MODERN
SCIENTIFIC WAY
WITH

LETHALAIRE

Reg. U. S. Pat.-Off.



Applying Lethalaire in the Greenhouse, Showing Applicator and Protective Equipment. A Rubber Hood is Recommended for the More Toxic Formulations.

PARATHION BOMBS

Lethalaire G-54 10% Parathion

Case of 6 Parathion Bombs (\$10.00 each) ..	\$60.00
Single Parathion Bomb	10.00
Deposit on cylinders, each	3.75

TEPP BOMBS—Lethalaire G-52 5% Tepp

Case of 6 Tepp Bombs (\$6.50 each)	\$39.00
Single Tepp Bomb	7.50
Deposit on cylinders, each	3.75

LETHALAIRE G-57 BOMBS

Tetraethyl-Dithio-Pyrophosphate for control of Parathion-resistant spider.

Case of 6 G-57 Bombs (\$10.00 each)	\$60.00
Single G-57 Bomb	10.00
Deposit on cylinders, each	3.75

GAS MASKS—with GMC-1 Canister

Extra Canisters	11.95
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RUBBER GLOVES, pair	3.00
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RUBBER HOODS, each	1.35
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Lethalaire Applicators No. 30 (36-in.), each ..	7.50
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Lethalaire Applicators No. 40 (48-in.) each ..	6.50
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(Carrying Sack Included on Above)

NICO-FUME LIQUID

For spraying and fumigating under glass.

2-lb. tin	\$ 3.45
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8-lb. tin	11.95
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40-lb. drum	51.60
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NICO-FUME POWDER PRESSURE FUMIGATOR

Insures better distribution of fumes and the most popular method of nicotine fumigation.

1/2-lb. cans	Each	12 cans
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1-lb. cans	\$0.50	\$4.60
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1-lb. cans75	7.95
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NNOR

Rotenone combined with special diluents which in themselves are effective insecticides. Gives high kill when used as a general greenhouse spray for red spider (in young, adult and eggs), green aphids, leaf tiers, leaf hopper, mealy bugs.

Gal.	\$10.00
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5-gal. pail	45.00
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PARA-SCALECIDE

Para-Scalecide is a combination of Paradichlorobenzene and Scalecide, which makes a liquid application for Peach borers that is safe and effective on young or old Peach trees. Para-Scalecide is diluted 1 gallon to 7 gallons of water and poured against the base of the trees 4 to 6 inches above the ground in the fall or spring. It requires approximately 1/2 pint for 1- to 2-year-old trees, 1 pint for 3-year-old trees. Qt., \$1.30; gal., \$3.00.

OPTOX (Formerly called Hitox)

A Pyrethrum-Rotenone spray. Optox is a contact insecticide as well as a stomach poison and may be used for the control of the chewing and sucking insects: aphids (plant lice), leaf hopper, thrips, white fly, leaf rollers, red spider, mildew and mealy bug. 1-pt. can, \$2.00; 1-qt. can, each \$3.70; 1-gal can, each \$12.00.

PARIS GREEN

Useful stomach poison. May be used as a dust or spray. Also used for poison bran mash to control cutworms and sowbugs. (5 lbs. bran + 2 table-spoonfuls Paris Green + 1 1/2 pints of water) (molasses 1/2 pint.) 1/4 lb., 20c; lb., 60c; 5 lbs., \$2.50.

INSECTICIDES AND FUNGICIDES—Continued

PARADOW—Pure Paradichlorobenzene

Kills Peach tree borers. Best applied in fall but may be used in spring. Also useful to control slugs.

1 lb.	\$0.45
5 lbs.	1.65
25 lbs.	5.50

PLANETARY SPREADER

Planetary Spreader is an effective spreading agent in both hard and soft water. Use 4 ozs. to 100 gals. of water. Qt. \$1.25; gal., \$4.50.

POTASSIUM PERMANGANATE

Used for dipping cuttings. 1/4 lb., 50c; 1 lb., \$1.25.

RED ARROW GARDEN SPRAY

(Pyrethrum-Rotenone.) Kills many varieties of both sucking and chewing insects on vegetables, flowers, fruits. 1 oz., 35c; 4 ozs., \$1.00; pt., \$2.85; qt., \$3.70; gal., \$12.60.

SCALECIDE

Spray every fruit tree, shade tree, shrub and vine that drops its foliage in winter with Scalecide, 6 gallons to 100 gallons of water (1 to 15.) Spray any time after the foliage is off in the fall or before the buds show in the spring, provided the temperature is warmer than 40 degrees. Qt., \$1.05; gal., \$2.50; 5 gals., \$8.45.

SELOCIDE

Kills red spider. SELOCIDE kills from 90 to 100 per cent of red spider (*Tetranychus Telarius* L.) in just one application. Selocide also kills the eggs and it does not harm tender plants when properly used. Gal., \$3.00; 5 gals., \$13.50.

SLUG SHOT (Hammond's)

An old favorite dust, effective against leaf eating insects and diseases. Lb., 40c; 5 lbs., \$1.70.

SNAROL

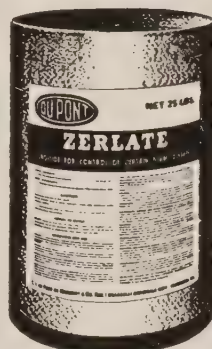
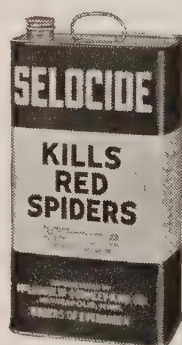
Snarol—an attractive bait meal—will quickly rid your garden of cutworms, snails, slugs, sowbugs, earwigs and grasshoppers. Snarol is a ready prepared meal that you simply broadcast about plants and shrubs after you sprinkle them in the evening. Lb., 35c; 6 lbs., \$1.50; 10 lbs., \$2.25.

SODIUM SELENATE

Applied to the soil it is taken up by the plant tissues and kills the insects that may feed on treated plant. Especially effective for red spider on Snaps, Carnations and Mums, leaf nematodes and many other insects. Care must be exercised in the use of this material as it can cause plant injury and also soil and plants so treated are poisonous. 1-lb. bottle, \$4.00.

SURE-SET

Available to alert Tomato growers now is the remarkable new spray, Sure-Set, that can increase the yield of early marketable Tomatoes. Specifically, Sure-Set contains a plant growth control agent which overcomes the delay in the setting of fruit caused by low night temperatures. Dilute 1/2 pint to 3 gals. water and spray blossoms only. 4-oz. bottle, 85c.



P. 40 (20% Sodium Selenate with Superphosphate)

Recommended amount to apply is 3 lbs. per 100 sq. ft., which is equivalent to 1/4 gram of Sodium Selenate per sq. ft. 50 lbs., \$9.50; 100 lbs., \$18.00.

TERRO ROACH KILLER

Guaranteed to kill roaches and water bugs, if used according to directions. 4-oz. cans, 35c; doz., \$2.80; 16-oz. cans, \$1.00; doz., \$8.00.

TOBACCO DUST

A fine powered Tobacco. Used principally as a ground covering in greenhouses to repel insects. 100 lbs., \$3.95.

TRI-GEN

For Aphis, Mildew, and Black Spot on Roses

All-purpose spray that gives positive plant protection. Kills all insects (chewing and sucking), controls mildew and black spot.

E Kit (Makes 10 qts.).....	\$1.35
A Small Kit (makes 16 qts.) Protects 12 to 20 Roses for season	2.25
B Medium Kit (Makes 64 qts.) Protects 50 to 80 Roses for season	6.00
C Large Kit (makes 32 gals.) Protects 100 to 160 Roses for season	9.00
D Estate Kit (makes 128 gals.) Protects 400 to 600 Roses for season	30.00

TREE WOUND PAINT

Prevents decay after pruning. This penetrating, antiseptic paint is not affected by heat. Qt., 60c; gal., \$1.75.

VAPOTONE

Contains tetraethyl phosphates. The new organic insecticide that has been giving such spectacular results against red spider and aphids on Roses, Carnations, Gardenias, Mums, etc.

4 ozs.	\$0.85	Case of 24	\$13.60
Pint	2.50	Case of 12	20.00
Gallon			11.90

VOLCK, NURSERY

The scientific insecticide for nursery, greenhouse and garden. Controls scale insects. An oil spray used against mealy bugs, scale insects, red spider and white fly.

4 ozs.	\$0.35	Case of 24	\$5.60
Pint .....	.70	Case of 12	5.60
Gallon			2.85
5 gallons			8.50

ZERLATE

A newly developed fungicide possessing excellent adhesive properties on plants due to its resistance to washing off by rains and removal by other weathering factors. Although specific directions have not been furnished by DuPont as to its use on greenhouse crops, it has been used principally the same as Fermate. 3-lb. pkg., \$2.50; case of 12 3-lb. pkgs., \$27.00.

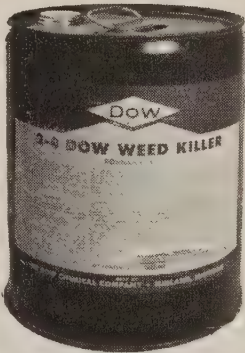
ZINC SULPHATE

Used as a softener in arsenate sprays on foliage, such as Peach trees, susceptible to arsenical injury. 1 lb., 35c; 5 lbs., \$1.25; 25 lbs., \$5.00.

CHEMICAL WEED KILLERS

DOW ESTERON WEED KILLER
Formula 44

Esteron 44 is a powerful 2,4-D weed-killing formulation especially effective against many woody plants and certain hard-to-kill herbaceous weeds. Such plants as alder, aspen, birch, box elder, brush, cherokee rose, chokecherry, poison ivy, poison oak, poison sumac, wild Cherry, wild Grape, Canada thistle, field bindweed, goldenrod, Russian knapweed and many others. Use at the rate of 1 qt. of Esteron 44 in 100 gals. of water. 1-gal. can, \$6.50.



AMMATE WEED KILLER
(Dupont)

Controls poison ivy and other noxious weeds. Keeps walks and roads clear with little trouble. Non-poisonous, fire retarding, clean, odorless, effective. 3/4-1 lb. diluted in 1 gal. of water will treat 100 sq. ft.
6 lbs.\$ 2.00
50 lbs. 12.00

ENDOWEED

Available in sizes from half pint to gallon and in packets for small area spraying. 8 ounces of EndoWeed treats 2000 sq. ft. of lawn. Spray ugly weeds away with EndoWeed! EndoWeed destroys weed leaves, stems and roots in a week or so, yet will not harm ordinary grass nor affect the soil. Kills dandelions, chickweed, plantain and 100 other lawn weeds.

Dealer Cost

1/2 pint (24 to case) \$1.00 pint\$14.40 case
1 quart (12 to case) \$2.75 quart 19.80 case
1 gallon (4 to case) \$7.50 gallon 19.40 case

WEEDONE BRUSH KILLER

A combination of the powerful 2,4,5-T and 2,4-D. This concentrated butoxy ethanol ester formulation is highly effective in killing brush and weeds in parks, playgrounds, pastures, roadsides, waterways and any wooded area.
1-qt. can\$4.00
1-gal. can 9.25

HAMMOND'S DANDELION
KILLER

Dandelions, plantain or any weed growing in a lawn or garden can easily be killed by one or two drops of Dandelion Killer applied to the crown of the plant. Qt., 50c; gal., \$1.50.

HAMMOND'S WEED KILLER

Weeds, poison ivy and all vegetation are easily killed with this highly concentrated (stands dilution with 40 parts of water), easy-to-use material. Simply mix with water, apply with sprinkling can and all vegetation withers and dies. Do not use on lawns as it kills ALL vegetation. Qt., 70c; gal., \$2.00; 5 gals., \$8.00.

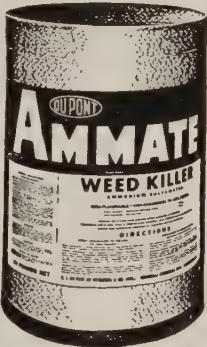
ZOTOX

Kills crab grass without permanent injury to lawn.

	Packed	Shipping	Retail	Dealer
Size	Per Case	Weight	Each	Cost Per Case
8 oz.	12	12 lbs.	\$ 1.00	\$ 7.20
16 oz.	12	24 lbs.	1.50	10.80
32 oz.	6	20 lbs.	2.50	9.00
5 lbs.	2	16 lbs.	4.50	5.40
30 lbs.	1	65 lbs.	22.50	13.50

2-4 DOW WEED KILLER
Formula 40

2-4 Dow Weed Killer, Formula 40, contains approximately 65% of the alkanolamine of 2, 4-D acid, which is equivalent to 39% by weight or 4 pounds 2, 4-D acid per gallon. High in acid content and economical to use. It is ideal for low volume application. One pint treats 1 acre of small grains and grass seed crops; 2/3 pint treats 1 acre of Corn, Flax, and Sorghum; 2 to 3 pints treat 1 acre of mowed turf such as a golf course; 2 teaspoonfuls make 1 gallon of spray which covers 250 square feet.
5-gal. drums gal. \$5.30
1-gal. cans (4 per case) gal. 5.50

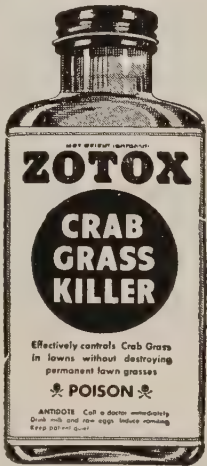


2-4 DOW WEED KILLER
Powder Form
(80% Concentrate)

The standard recommendation is 1 1/4 pounds of 2-4 Dow Weed Killer to 100 gals. of water. On turf, applications of 125 to 150 gallons per acre is usually sufficient.
10-lb. drum\$1.08 per lb.
50-lb. drum93 per lb.

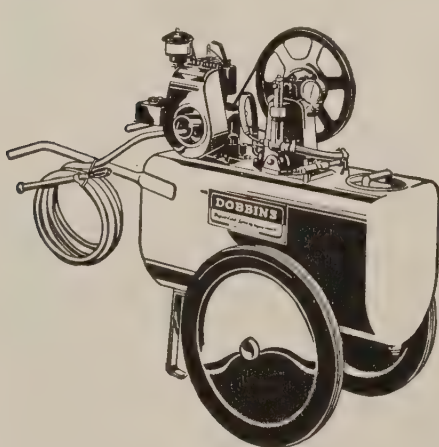
DOW SODIUM TCA 90%
WEED KILLER

Dow Sodium TCA 90% offers a practical means of controlling noxious perennial grasses. This new Dow weedkiller will kill Johnson grass, Bermuda grass, quack grass and other perennial grasses. A convenient dilution range is 1 pound in 1 to 2 gallons of water. If 100 pounds of Sodium TCA is required per acre, 100 to 200 gallons of water is suggested for proper application.
10-lb. cans\$0.54 per lb.
50-lb. drums47 per lb.
100-lb. drums46 per lb.



DOBBINS POWER SPRAYERS

No. 4260R POWER SPRAYER. Shipping weight 360 lbs. POWER: 1 1/2 h.p. Briggs and Stratton engine.
PUMP: No. 3197, 3 GPM, double cylinder, 300 lbs. maximum pressure, adjustable relief valve, pressure gauge. TANK: 50 gallons, heavy steel, securely welded; rust-proof on inside.

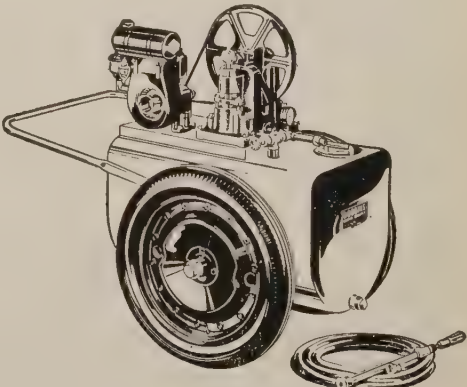


4240R

DISCHARGE EQUIPMENT: 25 ft. of 1/2 in. high pressure, oil resistant synthetic hose.
OVERALL LENGTH: 48 in; OVERALL WIDTH: 35 in. OVERALL HEIGHT: 45 in. Price: \$320.50.

No. 4240R POWER SPRAYER. 1 h.p. engine; height 41 1/2 in.; width 24 in.; weight 180 lbs.
PUMP CAPACITY: 1 1/2 GPM at 250 lbs. maximum pressure.

TANK: 25 gallons. Heavy, welded steel, rust proofed.
DISCHARGE EQUIPMENT: 12 1/2 ft. of 3/8-in. high pressure, oil-resistant synthetic hose. Price: \$183.50.



4260R

SPRAYERS AND SUPPLIES

Hudson Climax

An excellent sprayer for all-around general use. 3 1/2 gallons. Our most popular sprayer. Shipping weight 10 lbs. Each \$8.75.



Hudson Jr.

Hudson Climax Junior provides all of the features of the Climax, but in 2 1/2 gallon size. Lighter and smaller, it is generally more readily handled. Each \$7.40.

HLDSON 1 qt. tin sprayer 60c

HUDSON 1 pt. tin sprayer 40c

GREENHOUSE SPRAYER PARAGON No. 3

Economical—Durable—Efficient

Capacity: 12 gallons.

Truck: Two-wheel; or, if you prefer, one-wheel.

Equipment: 10 ft. special spray hose, 7 1/2 ft. spray pipe in three sections, 1 steel spray nozzle. Complete as illustrated, \$29.95. Air gauge \$3.50 extra.



Hudson Spray Nozzles

- No. 166 STRAIGHT FOG NOZZLE. Each.....\$0.60
- No. 168 ANGLE FOG NOZZLE. Each60
- No. 149 SHUT-OFF COCK. Each 1.20
- No. 75 MALE HOSE COUPLING. Each40
- No. 73 FEMALE HOSE COUPLING. Each..... .40

SPRAY NOZZLES

For compressed air sprayers.

No. 176 PERFECTION SHUT-OFF. With nozzle. Each \$1.95.

No. 161 PERFECTION SHUT-OFF. Nozzle; 2 ft. hose; 2 ft. extension. Each \$3.25.

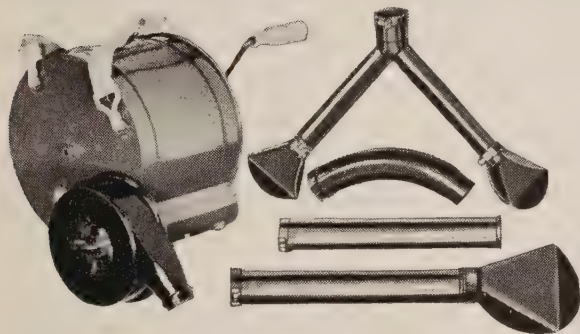
HIGH PRESSURE HOSE

High Pressure—600 lbs.

3/8 in. 3-ply—Uncoupled. Per ft.34c

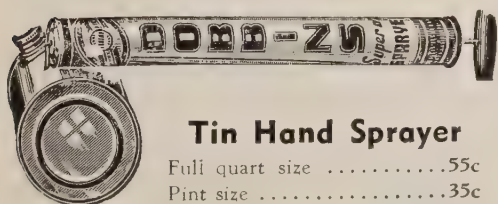
1/2 in. 3-ply—Uncoupled. Per ft.39c

CHALLENGE DUST GUN No. C3



ROOT MODEL C3 CHALLENGE DUSTER

For dusting small acreage and other dusting purposes. Highest quality, most efficient crank duster on the market. Hopper capacity, 600 cu. in. approximately 7 1/2 lbs. Feed adjustment—per acre 1 to 20 lbs. Price, \$23.80.



Tin Hand Sprayer

Full quart size55c

Pint size35c



DUST GUN

Stoutly made for long service. Easy to fill and operate. P. 1 Junior, \$1.50. P. 2 Jumbo, \$2.75.

DOBBINS SPRAYER

Universal nozzle, sprays at any angle. Will handle all spray solutions. 4-gallon capacity. No. 44G Galvanized tank. Each \$7.75.



Dobbins No. 210 Flame Sprayers

Weed burner. 4 gal. Price, \$21.00.

Dobbins 31G

2 qt. continuous hand sprayer. Price, \$2.00.

BLIZZARD SPRAYERS

The finest and most attractive sprayer ever made. Has brass twin nozzle; seamless brass pump; highly polished copper tank. 1 qt. Blizzard, all brass\$3.35



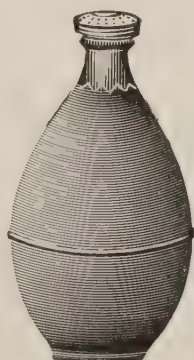
JIM DANDY Cart Sprayer

Capacity, 5 gals.

Price: \$29.50

SCOLLAY'S FLORISTS' SPRINKLER

None better for floral work. Beware of cheap imitations. Made of best quality of rubber and will outwear any other sprinkler on the market. Price, \$1.35.



SMITH BRONX SPRAYER

Unexcelled for spraying plants in the home. Sprayer made entirely of brass, nickel-plated. Spray screws to glass bottle. Easy pump stroke up and down. Bronx Bottle Sprayer, qt. size, \$1.85.



SUPPLIES FOR THE GROWER

PLANT BANDS

All F.O.B.
St. Louis

All F.O.B.
St. Louis

Grow All Your Plants, Seeds, and Cuttings
This Modern Way

This modern method of culture saves time and labor, and assures the highest yield in cut flowers, potted plants, perennials.



STAPLED WOOD PLANT BANDS

Sturdy plant bands made of cottonwood, securely fastened with two wire staples for quick setup.

Size in inches	Weight per 1000	Per 1000	Size in inches	Weight per 1000	Per 1000
1 3/4 x 1 3/4 x 2 1/2	28 lbs.	\$3.95	2 1/2 x 2 1/2 x 3	38 lbs.	\$4.40
2 x 2 x 2 1/2	32 lbs.	4.10	3 x 3 x 3	45 lbs.	4.70
2 x 2 x 3	32 lbs.	4.20	3 x 3 x 4	70 lbs.	5.10
2 1/4 x 2 1/4 x 2 1/2	28 lbs.	4.20	4 x 4 x 3	90 lbs.	5.70
2 1/2 x 2 1/2 x 2 1/2	38 lbs.	4.30	4 x 4 x 4	90 lbs.	5.95

All bands are packed 1000 to a case except 4x4x4 inch which are packed 500 to a case.

BIRD'S PAPER POTS

Red Pots for Shipping. Your plants will arrive in good condition and protect your reputation for shipping sturdy, healthy plants. They save packing time. Shipped to you set up and ready to use, these pots make shipping a simple one-step operation.

VITA-POTS. Grow and ship in the same pot—saves labor and leaves root ball undisturbed. Nutrient treatment, so successful in Vita-Bands, has now been applied to this sturdy resinous pot. Reduces watering.

Sold in Units of 1000 Only

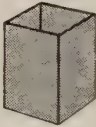
Size	Prices Per 1000	
2 1/4 inch (1000 per carton)	\$ 6.85	Vita-Pots \$10.40
2 1/2 inch (1000 per carton)	6.90	11.00
3 inch (1000 per carton)	7.30	12.25
3 1/2 inch (1000 per carton)	9.65	16.10
4 inch (500 per carton)	11.55	18.65
5 inch (500 per carton)	14.15	24.80
6 inch (500 per carton)	17.65	31.50

Discounts: 50,000—5%

BIRD'S VITA BANDS



VITA-BAND 40



For all-around use, especially growing periods up to 40 weeks.

VITA-BAND 10



The low-cost, nutrient-treated band for growing periods up to 10 weeks.

Sold in Units of 1000 Only

Size in inches	Vita-Band 40 weeks	Vita-Band 10 weeks
1 3/4 x 1 3/4 x 2 1/2 inches	\$4.90	\$3.35
2 x 2 x 2 1/2 inches	5.40	3.65
2 x 2 x 3 inches	5.90	4.15
2 1/2 x 2 1/2 x 3 inches	6.95	4.75
3 x 3 x 3 inches	8.10	5.65
4 x 4 x 4 inches		8.95

Discounts: 50,000—5%

"CLOVERSET" POTS FOR PLANTS



Made of tough waterproof fiber fabric asphalt coated, similar to roofing.

Packed 100 to a carton—we do not break cartons.

Standard Heavy Weight Pots

Weight Per 100	Top Diam.	Per 100	Per 1000
35 lbs.	5 in.—No. 0	\$3.50	\$31.50
52 lbs.	6 in.—No. 1	4.75	45.00
77 lbs.	7 in.—No. 2	5.50	52.50

PLANT TUBS—RICHMOND STYLE

These are made of finest fir lumber, securely bound with welded wire hoops.

No.	Inside top Diameter	Depth Inside	Price Each
No. 3	8 in.	8 in.	\$1.10
No. 4	9 in.	8 in.	1.25
No. 5	10 in.	9 in.	1.40
No. 7	12 in.	12 in.	1.75
No. 9	14 in.	14 in.	2.40
No. 11	16 in.	15 in.	3.10

LABELS

POT LABELS—WOOD	Packed in Cartons	Prices per 1000
4 x 7/8 inches	1000	Plain \$2.50 Painted \$3.00
5 x 7/8 inches	1000	2.80 3.30
6 x 7/8 inches	1000	3.10 3.70
8 x 7/8 inches	500	4.50 5.70
10 x 7/8 inches	500	5.50 6.70

GARDEN STAKES	Packed in Cartons	Price per Carton
8 x 7/8 inches	250	Plain \$1.75 Painted \$2.00
10 x 7/8 inches	250	2.00 2.25
12 x 1/2 inches	100	1.50 1.75

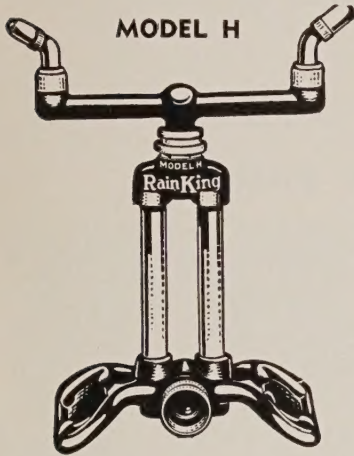
LABELS, TREE—Copper Wired	Prices per 1000
3 1/2 inches long, 5/8 inch wide	Plain \$3.10 Painted \$3.80

WEATHERPROOF PENCILS
For marking labels. Will not rub off or fade. Each 10c; doz., \$1.00.

ACME TREE AND SHRUB TAGS

1000 to box. \$1.50 per 1000.

SUPPLIES FOR THE GROWER



LAWN SPRINKLERS

RAIN KING SPRINKLER MODEL H

Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11¼ ins. tall; 9¼ in. from nozzle to nozzle. Price each, \$5.50.

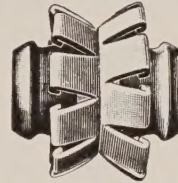


RIDGID GOGGLES

Protects eyes while dusting. \$1.85.

PLUMOSAN RESPIRATORS

No. R-110. For protection against dust\$1.95



CLINGER HOSE MENDERS

½ in., ⅝ in., ¾ in. Each 15c; doz., \$1.75.

CLINGER HOSE COUPLINGS
½ in., ⅝ in., ¾ in. Each 30c; doz., \$3.50.

GARDEN HOSE

GOODYEAR—EMERALD CORD Moulded Construction—Best Quality

Rubber tube; green rubber cover; two ply double-double fabric; guaranteed to stand any water pressure up to 200 lbs.; ¾ in. per 50 ft. length, \$14.85; ⅝ in. per 50 ft. length, \$13.85.

GOODYEAR—PATHFINDER Corrugated—Moulded Construction

Good quality rubber tube; green cover; guaranteed to stand any water pressure up to 60 lbs.; ½ in. per 50 ft., \$7.50.

PLASTIC GOODYEAR VINYL

The finest quality plastic hose we have found yet. Tough, yet pliable. Full-flow "pull proof" couplings of heavy brass. High bursting pressure, long life. Green color. 50 ft. lengths. ½ in. garden hose \$7.45.

BOSTON HOSE NOZZLE

Can be adjusted from fine spray to stream. Price, 95c each.

PEARL CHIPS

Pearl Chips, White. For growing bulbs in bowls. 10 lbs., 65c; \$4.50 per 100 lbs.

Pearl Chips, Colored. 10 lbs., 75c; \$5.50 per 100 lbs.

SEED SOWERS

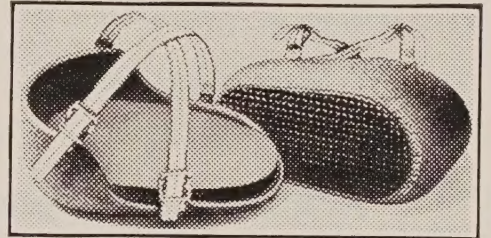
Very popular and extensively used. The bag holds about ½ bushel of seed. It is easily operated.

Cyclone Seeders, standard\$3.25

Cyclone Seeders, heavy duty 3.90

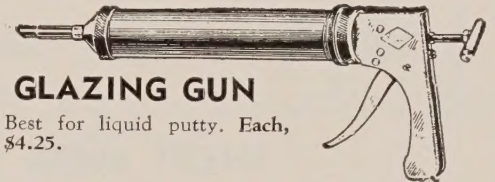
Tin Horn Seeders, each 1.35

KNEE PADS



A practical, serviceable, comfort-giving knee cushion. Per pair\$1.60

PUTTY GUN



GLAZING GUN

Best for liquid putty. Each, \$4.25.

GLAZING PUTTY

Gun Grade. A superior grade which will not dry out or crumble. Seals tight, remains soft and pliable. Gal. \$2.90; 5-gal. can, \$13.75.

GLAZING POINTS

Galv., 1-lb. box, ⅝ in.\$0.50

GLASS CUTTERS

Fletcher's Bronze Bearing, 35c each; doz., \$3.50.

RAFFIA

Natural, best grade. 1 lb., 60c; 10 lbs., \$5.50.

TWINE

(For Tying Boxes, Cartons)

Binder Twine, 8-lb. ball, \$2.25; 48-lb. bale\$11.75

Sisal Twine, 2 ply; 5-lb. ball, \$2.25; 50-lb. bale 20.50

COTTON TWINE—Very Best Grade

In balls, 3 ply; 5-lb. bag\$3.75

In balls, 4 ply; 5-lb. bag 3.75

In 2½-lb. cones, 3 ply and 4 ply 1.85

SEA ISLAND TWINE

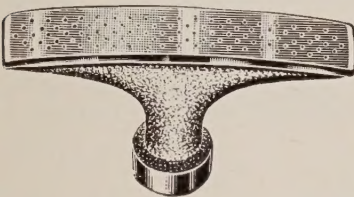
Used for wrapping small packages. Also for sprays and design work. Blue, red, pink, lemon, orange, purple, red and white, blue and white, in 2-lb. cones, at \$2.15.

JUTE TOMATO TWINE

2 ply, ½-lb. balls, best grade. 30c per ball; 30 or over, 28c each.

FLAT SPRAY SPRINKLER No. 11

Cast brass. Each95c



THE CIRCLE

Throws a powerful, fine spray in all directions; covers area up to 40 feet diameter. Extra heavy brass top, with clean cut holes. Each \$1.15.

CRESCENT

A half-circle sprinkler, convenient for sprinkling along drives and walks without wasting water. Each \$1.10.

REVOLVING SPRINKLER

No. 239, cast iron base. All brass "Spinner" head. 4½ G.P.M. at 30 lbs. pressure. Each \$1.25.

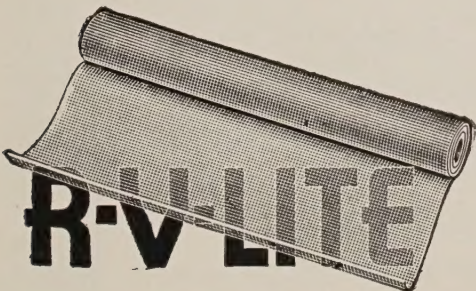
ROSS SPRAY HEADS

ROSS GARDEN ATOMIZER No. 15

Fine screen nozzle\$1.40

ROUND NOZZLE SPRAY No. 14

..... .50



STORM DOORS and WINDOWS

R-V-LITE can be used wherever glass is used. It is BETTER than glass for many purposes. R-V-LITE is flexible, light in weight and easy to handle. You can easily cut it with a pair of scissors, yet it is tough and durable—gives lasting service. 50-ft. rolls, 36 inches wide, \$7.50; 50-yd. roll, \$22.00.

BAMBOO CANE STAKES

Bamboo Dyed Green	Contents Per Bale	Price Per Bale
1½ ft.	1000	\$ 5.25
2 ft.	1000	7.25
2½ ft.	1000	8.50
3 ft.	1000	10.50
3½ ft.	1000	11.50
4 ft.	1000	13.75
5 ft.	1000	16.00

HYACINTH STAKES

Pointed wood. Painted green.

	Per 1000
12-inch	\$3.75
15-inch	4.10

TRI-SODIUM PHOSPATE

Used for washing and cleaning out sprayers. Be sure to rinse thoroughly to avoid corrosion of the metal. Use 2 tablespoons to 1 gallon of water, or 3 lbs. to 100 gallons of water. 25 lbs., \$3.50; 50 lbs., \$4.50; 100 lbs., \$5.75.

APRONS—Plastic

Soft and light, yet durable. A new plastic material that is three times thicker than the average. 42 inches long. Each \$2.75.

APRONS—Greenhouse

RUBBER: Medium heavy, soft and pliable, yet tough and durable. 45 inches long. Each \$3.25.

SISALKRAFT

A most satisfactory and economical cover for sterilizing of soil and shading Pompons.

	Per Roll
4 ft.x166 ft.	\$11.10
5 ft.x100 ft.	8.35
6 ft.x166 ft.	16.70
7 ft.x142 ft.	16.70
13½ ft.x100 ft.	29.35

SHEET MOSS

Sheet Moss green for lining hanging baskets. 5-lb. box, \$2.00.

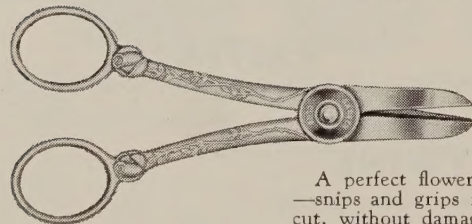
SPHAGNUM MOSS

Florist moss, used for design work. Approx. 16-lb. bale, \$2.15.

SHADING FOR GREENHOUSES
White Shading

50-lb. bag, sufficient for 600 to 700 sq. ft., \$1.25.

PRUNING SHEARS



CLAUS
GARDEN
CLUB
SHEAR

A perfect flower and holding shear —snips and grips in one easy scissors cut, without damaging the stem. 6½ inches long. Fine polish, nickel plated. \$2.75.

Snap Cut Pruner

No. 119 Seymour Smith Snap Cut, heavy duty, nickel plated. 8 inches long. Finest steel. \$2.25.

No. 124 Seymour Smith Pruner

Made of the finest steel, polished. 8 inches long for trimming shrubs and trees. \$2.90.

No. NC7 Ladies Rose Shear

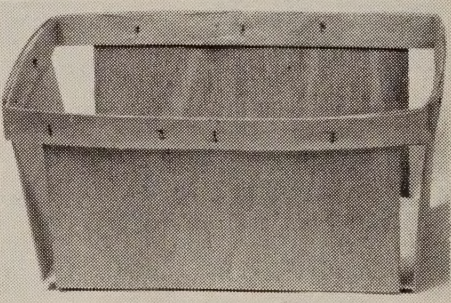
Nickel plated Rose shear. 7 inches long, fine for cutting flow-ers in the garden. \$2.55.

SKINNER SYSTEM NOZZLES

Silver Stream. Famous nozzle for outdoor use.

	Each
SS SILVER STREAM	\$0.06
ST SHORT THROW .....	.11
ST 50 Degrees .....	.11
ST 80 DEGREES .....	.11
SUPERIOR GREENHOUSE NOZZLES .....	.35
SKINNER DRILL BITS	1.25

PANSY BASKETS



One-quart, two-
quart or three-
quart size. 1-qt.
size, \$2.75 per
100; 500 for
\$13.25; 1000 for
\$26.00.

HOTKAPS

HOTKAPS—patented paper hothouse—completely protects plants from destructive frosts, storms, insects. Maintain perfect mulch. One man can set 2000 per day.
1000 to carton. Per 1000\$14.50

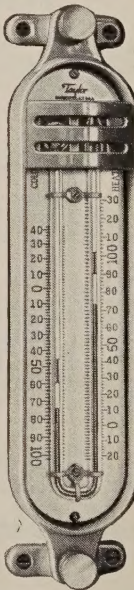
TWIST-EMS

Twist-Ems are dark green, strong tapes with wire reinforcing making that perfect plant tie. Simply put around the stem and support and twist.
Pkg. of 125 Twist-Ems (8 in.)\$0.25
Carton of 24 pkgs. Per carton 4.25
Pkg. of 125 Twist-Ems (16 in.)50
Carton of 24 pkgs. Per carton 8.25

THERMOMETERS

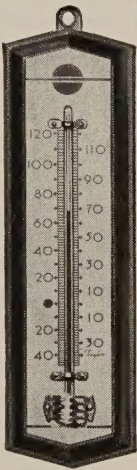
Maximum-Minimum
Thermometers

No. 5448. Not only indicates present tempera-ture, but highest and lowest temperatures since previous setting. Favorite among orchardists, oper-ators of greenhouses and cold storage plants. Com-plete with magnet for resetting. Each \$10.00.



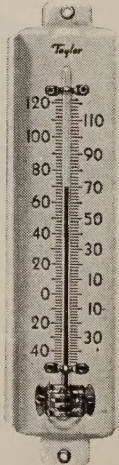
Comfortmeter
Wall
Thermometer

No. 5140. Magnifying lens tube with non-fading red liquid. Range suitable for outdoors. Ivory finished scale on grey finished wood back. Each 90c.



Outdoor Wall
Thermometer

No. 5132. Has 7 in. vitreous enameled scale with flanged sides. Magnifying lens tube with non-fading red liquid. Each \$1.25.

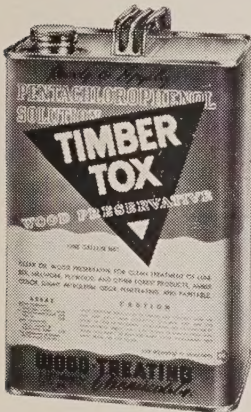


SUPPLIES

DOW WOOD PRESERVATIVE

Dow Wood Preservative is a pentachlorophenol concentrate that lengthens the life-span of wood many years. It repels attack by termites and other wood-destroying insects and prevents decay due to excess moisture. Treated posts are protected against decay and attacks by termites and other wood destroying insects. To prepare a ready-to-use treating solution containing approximately 5% by weight of the preservative chemicals, dilute one gallon of this concentrate with four gallons of a suitable petroleum solvent, such as light Diesel oil, fuel oil (No. 1, 2, or 3 distillate) or kerosene, and stir the mixture well.

5-gal. drums\$1.90 per gal.
50-gal. drums 1.65 per gal.



TIMBERTOX

Timbertox is a clear, non-staining, paintable wood preservative. Recommended for open tank treatment of millwork, lumber and other forest products. Contains plasticizing resins to minimize blooming or crystallization of the pentachlorophenol at the surface of the treated wood. Timber-tox is a ready-to-use solution of standard 5% pentachlorophenol strength. Do Not Dilute.

1-gal. cans\$1.80 per gal.
5-gal. cans 1.60 per gal.
30-gal. cans 1.40 per gal.

Florist Cuprinol, see page 31.

GARDEN TOOLS

GARDEN HOE

All-steel 2-inch wide blade, 4-foot handle. Each \$1.30.

GARDEN HOE

All-steel 6-inch blade, 4-foot wooden hickory handle. Each \$1.50.

FOUR-PRONG HOE

Best made, 4-prong, 4-foot handle. Each \$1.40.

GARDEN RAKE

14-tooth all-steel rake, fine for making seed bed. Each \$1.90.

LAWN BROOM RAKE

All-steel, 4-foot wooden handle; fine for raking leaves. Each 95c.

SPADING FORK

Heavy angular back tines. Each \$2.35.

TRANSPLANTING TROWEL

No. 217. Excellent for setting and lifting out seedlings. Each 20c; doz., \$2.00.

HAND SPADING FORK

No. 300. This fork is well made. Length, 11 in. Each 60c.

ASPARAGUS KNIFE OR WEEDER

V-shaped blade, polished. Can be used as a weeder. Each 55c.

GRASS WHIP

For cutting weeds. Each \$1.35.

GARDEN TROWELS

All-steel shank, wood handle, best made. Each \$1.60.
No. 212—6-inch garden trowel. Each 40c.

FEATHERLITE TROWELS

Featherlite Garden Trowels\$0.65
Featherlite Transplanting Trowels60
Featherlite Four-Prong Cultivators50

Set of one each of above\$1.70

FARM SEEDS

For Pasture, Hay, for all Soils

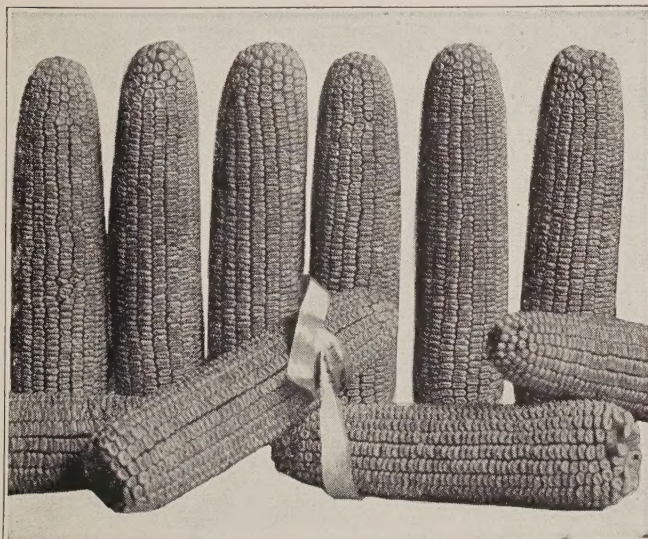
PRICES ON ALL GRASS SEEDS are subject to market changes. We will be pleased to quote firm prices on request. Orders entrusted to us will be filled at the lowest price on the day received. Write for price on Field Seeds and let us know your requirements, and we will be glad to quote special quantity prices.

ALFALFA, KANSAS

Best adapted for the Central West. Sow August and September, March and April. 20 lbs. per acre. Market price.

CLOVER, MEDIUM RED

Best legume crop or for hay or meadow. Sow in spring, 8 to 10 lbs. to the acre. Market price.



HYBRID SEED CORN

U. S. No. 13.

Select, large, flat grains. Best for main crop. 110 days. Bu., \$8.00.

U. S. No. 8.

For rich ground. 110 days. Bu., \$8.50.

EMBRO 95.

Best for late planting. 95 days. Bu., \$9.00.

CLOVER, ALSIKE

Fine legume crop, also for hay or mixed grass seed for pasture. 6 to 8 lbs. per acre. Market price.

SWEET CLOVER

A biennial. Sow early in spring. 20 lbs. per acre. Write for prices.

LESPEDEZA

A good legume and fine for fall pasture. Sow 20 lbs. to acre. Market price.

AWNLESS BROME GRASS (Bromus inermis)

Very strong, quick growth, making two crops of very abundant pasture. Has proven very valuable for pasture when sown with alfalfa. Good in very sandy soils because of its strong spreading root system. Not a lawn grass. Market price.

BLUE GRASS, KENTUCKY (Poa pratensis)

Fancy extra re-cleaned. Kentucky Blue Grass is largely used for lawns and when once planted lasts indefinitely. An excellent pasture grass. Deep rooting and has an attractive color. Market price.

CREeping RED FESCUE

One of the best Fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Market price.

RED TOP, FANCY

Red Top is a remarkable grass accommodating itself to a variety of soils and conditions. It is strongly drought-resistant. Market price.

RYE GRASS, PERENNIAL

A hardy grass of quick growth, suitable for lawns and meadows. Market price.

RYE GRASS

Succeeds well on almost any soil, but is particularly adapted to moderately moist lands. Market price.

SUDAN GRASS

Sow 35 lbs. per acre. Makes an excellent emergency hay crop. Can be sown any time from May 20th to June 20th. It withstands long periods of drought. Market price.

TIMOTHY (Phleum pratense)

It is the most desirable of all grasses for hay but should not be grazed as the tramping of cattle hoofs causes it to die. In this section Timothy is best suited to low, flat or alluvial soils where there is a fair amount of moisture. Market price.

See
Pages 1 to 7
for
Complete List

Henderson's
Bush Lima
Beans

Scarlet
Globe
Radishes

Alaska-Ameer
Mammoth
Pod Peas

Chantenay
Carrot

Early Wonder Beet

Golden Cross
Hybrid Sweet Corn

Rutgers
Certified
Tomato

Selected
**VEGETABLE
SEEDS**

A. H. HUMMERT SEED CO.

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